THE AMERICAN REVIEW OF REVIEWS

EDITED BY ALBERT SHAW

CO	NT	EN	TS	FOR	MARCH,	1915

Secretary Lane Frontispiece	The War's New Alignments	296
The Progress of the World—	By Frank H. Simonds With may and other illustrations	
"Bread,"—the Demand and Supply 259		
Ease of Normal Distribution	Austria-Hungary's Leaders in the New Line-up	205
Conditions in Russia, England, France 259 Belgians' Need of Food	With portraits	303
Poland's Distress	Battleship vs. Submarine	311
Seeds and Tools for Servia 260	With illustrations	
Food in Austria-Hungary and Germany 261	The Red Cross at Work	315
The "War Wheat Company"	BY WINTHROP D. LANE With illustrations	
Civilian Rather than Military	The Setting of the Recent Italian Earthquake.	218
Gardening and Thrifty Foresight 263	By John L. Rich	310
American Crop Prospects	With map and other illustration	
Will High Prices Prevail? 264	Better Seeds for the World's Food Supply	321
Some Farm Problems	BY B. E. POWELL	
Illustrations of Progress	With illustrations Uncle Sam's Three Herds of Dairy Cattle	224
Cotton and the Farmers	By Wilber J. Fraser	344
Large Crops, Lower Prices, Probable 267	With illustrations	
Crowding Neutrals Off the Sea 267	Millions for Farm Animals' Health	334
A Word About "Contraband" 268	By Charles Frederick Carter	
Wheat Now Made Contraband 268	The Coroner: A Story of Political Degeneracy	334
Our Flag on a "Ruse"	BY H. S. GILBERTSON	
The Really Important Incident	The Improved Outlook for Cotton	338
A Blockade the Proper Device 270	BY RICHARD SPILLANE	
Party Strife at Washington 270	America's Industrial and Commercial Re-	242
The Real Work of Congress	By Charles F. Speare	344
No Time for Contested Measures		
"Filibuster" and Deadlock	Leading Articles of the Month—	246
Carried in the House	Neutral Shipping in War Time	347
Again the Senate Rules! 274	Who Will Profit by the War?	349
Telephoning Across the Continent 275	A German Economist on Conditions in War	
The Active Airmen	Time	
Chicago to Elect a Mayor	German Idealism and the War	
Woman Suffrage and Prohibition 277	The Fortress in Modern Warfare	
Unemployment: A National Problem 277	English Conscription and Our Civil War	,,,
Industrial Relations Hearings	Draft	357
Western Water Freight	A German's View of Rumania's Interest	359
A New "Long-and-Short-Haul" Decision 279 Water Competition Via Panama 280	The Voice of India	
The State of Business	A Socialist Forecast of Lasting Peace	
Signs of Better Things 280	A Great Belgian, Ernest Solvay	
With portraits, cartoons and other illustrations	World Missions in the War Crisis	
Record of Events in the War 281	The Disappearance of French Literature	
Record of Other Events	Reg tion of Public Utilities	
Cartoons of the Month	Teacher-Mothers in New York Schools	
A Revival in American Shipbuilding	Ethnic Darwinism	
	A Suspension Bridge of Vines	
The Opening of the Panama-Pacific Exposition 293 BY CHARLES C. Moore	With portraits and other illustrations	
With illustrations	A New Treatise on the Cosmic Relations	373
Europe—After the War	The New Books	
By Dr. Ivan Yovitchevitch	Financial News.	

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HON. FRANKLIN K. LANE, SECRETARY OF THE INTERIOR, WHO REPRESENTED THE PRESIDENT AT THE OPENING, ON FEBRUARY 20th, OF THE PANAMA-PACIFIC EXPOSITION AT SAN FRANCISCO

Before President Roosevelt brought him to Washington to make his fine seven-years' record on the Interstate Commerce Commission, Secretary Lane had served his adopted city of San Francisco in high offices, and was California's most typical Democratic leader. Since President Wilson was detained at Washington, it was especially fitting that Mr. Lane should have represented him at the opening of the Exposition. His power and felicity in public speech are not less marked than his wisdom and efficiency in dealing with the many complex problems of his Department.

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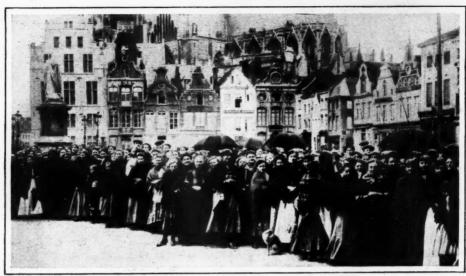
THE PROGRESS OF THE WORLD

"Bread,"— the Demand and Supply of the newspapers as the demand Supply in the newspapers as But since the war broke out the traffic systems have been paralyzed, and the markets greatly

What, then, has produced the Ease of Normal Distri- conditions that have been so alarmingly set forth in the newspapers? In ordinary times, the process of of southern and western Europe.

since the beginning of the present year. This deranged. Throughout the vast Russian Emis due to the disturbed conditions of trade, pire there has been an ample supply of food. rather than to any marked alteration in the with a low tendency of price. This is befactors of demand and supply. The food cause of the shutting off of the German marcrops of 1914 were large, and except for ket, and the difficulties in exporting grain small areas they were successfully harvested, surpluses,—due to hostile conditions in the The number of people to be fed is not greater Baltic on one side and the Black Sea on the by reason of the war, but on the contrary it other. Great Britain is most dependent; but grows perceptibly less, while the merely the British navy has hitherto made it easy wasteful and extravagant uses of food mate- for merchant ships to bring food supplies to rial have been greatly limited. Europe is England from all quarters of the globe, so now entering upon the eighth month of the that the situation as to supply and price has great war. In any case, in peace or in war, been virtually normal. Very little complaint Europe would, through those eight months has come from France about scarcity of and through three or four months yet to bread,-or, indeed, about anything else. come, have had to rely upon the cereals pro- Thus far there has been no apprehension of duced in 1914 for its supply of breadstuffs. food shortage in any one of the three large allied powers.

The most acute trouble has been Belgiums' Need in Belgium. This has been due to the various misfortunes that distribution goes on evenly and without be- attend the ravages of war on a great scale. ing brought to the public mind. The Euro- Large supplies of food were requisitioned by pean workman, whose standard loaf, whether the armies. Other supplies were destroyed of dark bread or of white bread, is his fore-through the burning of houses, barns, and most food article, has not been accustomed stacks of grain. Horses were largely drawn to the thought of a failing supply or an in- into military service, and other farm animals creasing price. The world's surpluses of were to a great extent slaughtered for food. wheat, rye, and barley enter with the most The stoppage of industry destroyed the earnperfect ease and mobility into the ramifying ing capacity of hundreds of thousands of peocurrents of international trade. A bad crop ple, who were thus rendered unable to buy in one country is atoned for by a good one food, even if the military conditions had not elsewhere. Thus Europe's industrial worker interfered with the bringing in of commerhas seldom known any difference as regards cial supplies. Under these circumstances, the the supply of his daily bread. The ordinary demand for bread in Belgium grew desperrates of ocean freight on cereals from the ate; and so it has come to pass that a very United States and Canada, Argentina, India, large part of the population has lately been and Australia, are very low; while in nor- sustained by the relief from the United States mal times the rye, barley, and wheat of Rus- that has taken on an organized and systemsia, Hungary, and eastern Europe move read- atic form, as already described in this Reily and constantly by coastwise steamer, river VIEW. Most positive assurance is given by and canal barges, and the railroad network, the Americans having most to do with this to the more densely peopled industrial regions relief that the German military and civil authorities in Belgium have not failed to coop-



C Underwood & Underwood, New York

THE BREAD LINE AT MALINES, BELGIUM

(The people of Malines waiting in line before the Commissary of Police to receive each a loaf of bread)

erate, and that nothing sent for the aid of the Belgian people has been turned to German benefit.

It must be remembered that pop-

Relaian ulations can adapt themselves to unwelcome situations; and it would be quite erroneous to suppose that seven million Belgians are remaining in a state of unspeakable misery, doing nothing to help themselves, and appealing to the charity of the world. On the contrary, they are helping themselves and one another to the utmost of their ability, and they are waiting for spring to open in order to resume the cultivation of their lands and to produce as large supplies of vegetables and grain as they possibly can. It is to be observed that they have German encouragement in this course. They will be very much handicapped by shortage of horses and other farm animals, but they will doubtless produce large food supplies this year, many unemployed factory-workers turning their energies to garden and field. It is said that somehow the Belgians managed, in the autumn, to sow considerable areas of the winter wheat and other cereals that will be ready for harvest in early sum-

tion seems likely to continue for a time.

There are other spots ravaged by Poland's war where there is food short-Distress age and distress. The conditions in these places are somewhat analogous to those produced in San Francisco by the great fire, or in a central district of Italy, in January, by the earthquake. Thus Poland has seen so much marching and counter-marching of armies, with destruction of hundreds of villages and thousands of farms, that many of the people are in great distress, although it would be impossible to believe in the accuracy of an extended statement issued by the Polish author, Sienkiewicz, in the middle of February, from his vantage-point in Switzerland, purporting to give exact statistics as to the condition and needs of fifteen million Poles. The allegations of fact in that appeal to America were upon their face less credible than the most extravagant pleas that have been issued on behalf of Belgium. Doubtless the condition of the Polish people is bad enough; and it justly appeals to the sympathy and aid of the world.

More credible are the claims to sympathy and help that are made Servia on behalf of the people of Sermer. Belgium will doubtless need help for via. They have shown great heroism and some time, but when the war cloud is lifted have put forth a degree of energy in resisting and her industries can be set in motion again invasion that nobody had thought possible. she will pay her own way without much diffi- Their needs have been none too strongly culty,—easily buying the surplus foods that stated, and the current appeals through comher people may need The German occupa- mittees headed by Professor Pupin and Madame Grouitch are worthy of prompt response.

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Madame Grouitch, in particular, has asked Americans to help the thousands of small Servian farmers by furnishing means to obtain a supply of seeds and tools for their spring work. The best form of help is that which enables willing workers to help themselves. Supplies in Servia have run so short that without assistance the people will find it impossible to obtain that prime necessity of farm regions,-the seed with which to invite the forces of nature to grant their kindly cooperation. Even in times of peace we have often had crop shortages in the West that have made it necessary for the State itself to advance to farmers the requisite supply of seed-wheat and seed-corn for the next crop. It is not strange, then, that Servia should ask for seed after so terrible a struggle as that in which she is still engaged, following the two severe wars that had only recently preceded. A letter to this REVIEW from a distinguished Montenegrin statesman informs us that in his little country there is also great distress; and if some share of American bounty should go to those brave and undaunted people who are fighting with Servia it would be most worthily bestowed.

When, however, the whole field Hungary starving millions of Germany,-about which years Germany would be able to cope suca vast deal has appeared in the American and cessfully with the problem of self-mainte-English newspapers?

Germanu's desperately suffering for food Food Supply had become the more significant matic contentions. It was supposed to un-



DR. IVAN YOVITCHÉVITCH, SECRETARY-GENERAL OF THE COUNCIL OF STATE OF MONTENEGRO

(This high official and publicist writes us that there is great distress among the common people of Montenegro, who lack for bread and clothing. His interesting estimate of the war and its outcome will be found in this number of the Review)

is surveyed, it is not possible to tion from Professor Carver (of Harvard discover any great shortage of University and of the Department of Agrifood: and severe distress seems to be limited culture), on the European food situation. to ravaged localities, such as Belgium, Servia, Mr. Carver, after a careful survey of availand Poland. Hungary is one vast granary, able facts, came to the conclusion that all of and except in Galicia the Austro-Hungarian the countries engaged in the war could main-Empire has not as yet suffered vicissitudes tain necessary supplies of starchy food, though that have added the pangs and suffering of they might suffer some shortage of other famine to the general sorrow and misery of kinds. He reached the conclusion that Gerwar. On the contrary, there seems to have many and Austria would probably have no been thus far no shortage of food in that em- serious trouble in providing as much food as pire, nor any serious prospect of that kind. was needful, both for civilians and soldiers. Wheat has been going to Austria from Italy, Dr. Dernburg, in a companion article, prein exchange for lumber to use in constructing sented in the same number of the REVIEW, temporary houses in the earthquake region. wrote of Germany's food supply and under-But what of the terrible privations of the took to show that for a period of at least two nance. He chose the period of two years, because he preferred to deal with concrete The hypothesis that Germany is facts rather than with predictions or general estimates.

It becomes interesting to know last month because it lay at the base of diploin three months to disturb the derlie the new and harsh declarations of bel- best calculations of the experts of our own ligerent policy that formed the chief topic in Department of Agriculture, or to subvert the the American and European press, Regular statements and assurances of Dr. Dernburg. readers will remember that in our November The newspapers have somehow given many number we published an important contribu- American readers the impression that Geras military use.

The "War wheat and three parts rye. The Government tion's ship purchase project. of Prussia had formed a trading concern known as the War Wheat Company, which was to buy up and store about seventy-five million bushels of wheat, to be held back from sale until after May 15. The shares of the company were taken by the Prussian Government, the principal German cities, and some large industrial concerns. company is permitted to pay 5 per cent, interest, and it has power to buy stocks of wheat, either by voluntary transfer or by condemnation at fair price. The whole object is to benefit the public by preventing undue speculation in wheat during the months that must precede the harvesting of the next crop. The German authorities explain that there is a very ample supply of rye in storage, and some shortage of wheat. Thus the bakeries are required to bake rve bread at night for the supply of the working people in the morning, and they bake the "war flour" bread and rolls in the daytime for those accustomed to white bread. This is not an indication of desperate conditions in Germany, but rather an instance of that foresight and thrift with which German officialdom is accustomed to handle affairs of common concern.

The English and American idea Civilian Rather than that this action of the associated municipal bodies of Germany in forming the "War Wheat Company" has militarized food supply, and has therefore given the quality of contraband to all cereals destined for Germany even though shipped in neutral vessels, seems to us to be wholly mistaken and without justification. There had

many's fate was depending upon the decision of been no evidence to show that the wheat caran English prize court in the matter of al- ried by the Wilhelmina would become a part lowing the food cargo of the Wilhelmina to of the grain that was being purchased for disproceed to its destination. This impression tribution after May 15. The municipal govhad been added to by the manner in which ernments, in conjunction with the Prussian the German Government's new control over Government and business concerns, were not breadstuffs had been made to appear as indi- acting on behalf of the military authorities, cating the approach of famine conditions. So but rather on behalf of the whole mass of far as we can ascertain, nothing has happened common people, whose bread supply was thus to weaken in any respect the statements and assured. The flour mills and the bakers were predictions made in our articles by Professor to be supplied at fair prices after May 15. Carver and Dr. Dernburg. Everything in and the Government's action was intended to Germany is now virtually upon a govern- have a salutary effect upon all those who were mental basis, including the production and storing and hoarding food supplies, with a distribution of necessities for civilian as well view to exorbitant profits in the months that must elapse before the crop of 1915 becomes available. Instead of giving a military char-On January 11, for instance, all acter to the bread supply, this German action Prussian flour mills were ordered seems to us to have given it a decidedly civto make and sell only a mixture ilian guarantee. The wheat company is known as "war flour," containing seven parts formed upon the plan of our own administra-

> But what of the coming crop in This Year's Crop in Germany? So far as we can Germanu learn, there was exceptional effort made, under direction of the public au-



ON ACCOUNT OF THE SHORTAGE OF FLOUR!

(This cartoon is from the latest copy of Kikeriki, of Vienna, and it may be assumed that its tone would not be so cheerful and humorous if the bread shortage had become desperate)

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Photograph by Underwood & Underwood, New York

TURNING PARADE GROUNDS INTO PEOPLE'S GARDENS

(This scene shows the plowing up of the great army drill and parade ground near Berlin, as the first step in preparing it for the spring planting of vegetable gardens and potato patches by the poorer citizens. This may be taken as typical of what is going on around all of the German cities, where thousands of acres will be converted into gardens within the next few weeks)

in 1915.

Gardenina Foresight and farm animals from the stretches of sugar- concern to those most interested.

thorities and patriotic societies, to see that the beet land which have ordinarily furnished the fall planting of wheat and other cereals was English people with a great part of their not neglected. Except in a part of East Prussugar supply. Thus, so far as our best insia, there was no interference with German formation goes, the German people, considagricultural processes. Some kinds of manu- ered as a whole, are not suffering for bread facturing were curtailed, and many of the men and are carefully conserving their supplies of thus thrown out of employment were sent to cereals to prevent the danger of their having the fields to take the places of those who had any days or weeks of famine fear or food been called to arms. Women and children in panic. Naturally, they are willing to pay great numbers are accustomed to work in the American prices and import a certain amount fields in Germany. Furthermore, prisoners of of grain as an insurance against the unforewar to the extent of many scores of thousands seen. For nobody can say as yet whether the were assigned to farm work of one kind or crops of 1915 in any given country may be another. Doubtless in Germany, as else-unusually bountiful or exceptionally meager where in Europe, there is a shortage of horses and lean. The chances are that war condiand domestic animals. But it seems to be tions will have diminished the use of suitable true that more traction machinery than ever fertilizers and lowered the average of skill before has been brought into use. There are and care in the selection of seeds and the sucgreat expanses of agricultural land in France, cessive processes of cultivation. Yields per Belgium, and Germany that lie level enough acre, therefore, are likely to be a little less to render it feasible to use traction plows, than the average. But the sum total of prod-Nothing could be more mistaken than the no- ucts immediately available as food supply may tion that practically all farming operations in prove to be the largest in the history of Gerthose countries are intensive and on a very many. No one, indeed, can tell what new small scale, so that heavy machinery cannot portions of the face of agricultural Europe be used. Europe's fields will not lie fallow may be trampled under foot of vast and ruthless armies, and ruined by hundreds of miles Very particular attention has of trenches before the harvests of 1915 are been devoted in Germany to garnered. It is in these terrible hazards of plans for thrifty gardening in the war, even more than in the uncertainties of neighborhood of towns and cities, and to the nature's response, that the food problems of obtaining of food supplies for human beings particular countries are fraught with grave

What, then, of our own agricul- high prices will be maintained. The spurt tural prospects in America? It which has sent the price of wheat so high in has been assumed on all hands the past few weeks is not due to a shortage of that,-favorable weather conditions being breadstuffs or to famine conditions anywhere. granted,-we shall produce the greatest food It is due to those factors that are termed "psycrops in our history, and that the farmers will chological." Just as soon as market condireceive very high prices for everything that tions become a little more normal, it would they can raise. Assertions of this kind have seem to us that food prices must tumble rapgenerally been made, and they have met with idly. For the prospect is that there will be a little if any contradiction. First, then, as to large supply, over against which there will the quantities: The forecasts are all favor- be a diminished purchasing power which able. In the winter-wheat belt, high prices amounts to a lessening of the effective destimulated increased acreage in the sowing mand. The real facts of food supply have time last fall, and indications are that the not justified the recent high prices of wheat; hardy little covering of green, which always and there has been no intrinsic reason for the thrives best under a blanket of snow, has advance in the price of the standard loaf from borne the winter's freezing and thawing five cents to six cents that was made by the fairly well. In the northern, or spring wheat leading bakers of New York in the middle of belt,—including Minnesota, the Dakotas, and last month. In spite of the great shipments the Canadian Northwest,-preparations are out of America's bumper wheat crop to Engmaking for as large a wheat acreage as possi- land and other parts of Europe, there had re-The yields and prices of the 1914 crop mained an abundance of grain for home conhave justified the grain farmers in buying fer-sumption until well after the great Kansas tilizers and trying to stimulate a large yield. harvest will have begun to enter the market.

Will High Prices Prevail? cereals.

With favoring conditions of Wheat Is Now weather, we may expect, there- Unreasonably fore, very large crops of all the It is not so certain, however, that have been easier than the public acquisition of

High

If our institutions of general and municipal government were like those of Germany, nothing would



Photograph by Medem Photo Service AN ILLUSTRATION OF CURRENT GERMAN THRIFT

(In Berlin, public wagons are passing through the tenement districts, exchanging kindling wood for the potato parings from the kitchens. This is another instance, not of distress, but of minute organization and careful foresight. The potato parings are useful for making alcohol, which in Germany is a substitute for gasoline)

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an ample supply of wheat at a fair price,and this without much affecting the average price that the farmers have received. It must be remembered that last year's wheat crop was largely sold from the fields, at the time of harvesting or thrashing, to elevator companies and grain dealers who control the long lines of elevators that follow the railroad tracks into the wheat regions. Very lucky are those farmers who have averaged a dollar a bushel on last year's wheat. Most of the difference has gone to those who have bought up and controlled large quantities, exercising their mastery through the possession of the storage elevators, or grain warehouses. There was much talk last month,-and, indeed, there were bills introduced in Congress and in State legislatures, as well as ordinances in city councils,-concerning the control of speculation in foodstuffs, and the artificial forcingup of prices by methods known as "corner-There ought, of course, to be some sort of remedy; but ordinarily the market adjusts itself fairly well.

As regards various kinds of food Some Farm Problems supply, it is unduly difficult and expensive for American producers and consumers to come together. Those who are discouraged, however, should remember that conditions are incomparably better in this respect than they were in earlier times. The population of our cities and manufacturing districts has grown with immense rapidity, and the food supplies of the world are drawn upon to meet the demand of great population centers, like New York, for example. The supply of such articles as breadstuffs comes to be standardized, and the transportation rates are no more than the railroads ought to receive. The farmer's problem, as respects wheat, corn, and standard crops, is one of yield rather than of price. Thus the average yield per acre of winter wheat in this country is about 15 bushels, and of spring wheat about 17 bushels, whereas in England, France, and Germany the yield is very much larger. The average seems to be increasing a very little in this country, rather than falling off.

Our Farming Remains "Ex-tensive" able and statesmanlike report for last year, comforts us by making that is going on. the following observations:

It can scarcely be that the American farmer has not as much intelligence as the farmer of other nations. It is true that the American farmer does not produce as much per acre as the farmer in a number of civilized nations, but production kinds of seeds. Such experiments are carried



SECRETARY HOUSTON AT HIS DESK IN THE AGRI-CULTURAL DEPARTMENT AT WASHINGTON

per acre is not the American standard. The standard is the amount of produce for each person engaged in agriculture, and by this test the American farmer appears to be from two to six times as efficient as most of his competitors. Relatively speaking, extensive farming is still economically the sound program in our agriculture, but now it is becoming increasingly apparent that the aim must be, while maintaining supremacy in production for each person, to establish supremacy in production for each acre. The continued solution of the problem here suggested is one which now seriously engages the attention not only of the agricultural agencies of the several States but also of the Federal Government.

Only those who have occasion to read the agricultural press and examine the countless bulletins of the Department at Washington and the experiment stations in the various States, can even faintly realize the efforts that are being made to improve American agriculture by obtaining better average results, while maintaining the fertility of the soil. We are Secretary Houston, in his admir- publishing in this number of the REVIEW some articles that indicate the kind of work

> Thus Mr. Powell, of the Agri-**///ustrations** cultural College of Illinois, writes of of the improvement of the wheat crop through the breeding and use of the best

on with great patience, and in the end they are worth millions to our farmers. We have at former times called attention to the largely increased yield of corn under favored circumstances, due to the new knowledge that has been widely disseminated regarding the breedexist throughout the country. Here again the farmers are immeasurably indebted to the Department of Agriculture at Washington and to the demonstrations made on the farms of the State agricultural colleges for the kind of guidance that is bringing about a vast change in a farm industry that has of late been so greatly developed in Denmark, Switzerland, England, and parts of our own country. Another of our contributors explains the methods by which the Government, through the Bureau of Animal Industry at Washington, spends millions in helping to deal with the diseases of farm animals. It might be easy to show that for every million spent by the Government there is saved to the resources of the country a value fifty or a hundred times as great. The foot-and-mouth disease, tuberculosis in cows, the ravages of hog cholera, the "Texas fever,"-these are some of the great scourges which are only kept from sweeping across the country with appalling consequences through the scientific knowledge and the vigilant methods of our public authorities.

One of the reforms in American Cotton agriculture that the authorities have most urgently preached for years has been a greater diversity of farming in the South. But cotton production is a system by itself, and it has been very hard to transform the Southern cotton-grower into the type of the independent Northern and Middle Western farmer who rotates his crops, keeps a variety of livestock, has a good garden and small fruit, and is not overwhelmed by the failure of any particular crop in a given season. The South has perhaps needed the terrible lesson it has received in the sudden fall of the cotton price last fall to a point below the cost of production. Mr. Spillane, who at that time wrote so notable an article for this REVIEW on the cotton crisis, writes for this number upon cotton's interest.

More than any other portion of Dr. Houston the civilized world, our own on the South's Needs South needs to learn the lesson and acquire the habits of agricultural thrift. Secretary Houston's report deals with these matters in the most instructive and coning and selection of seed. We are also pub- vincing way. He shows that American poullishing an article in this issue by Professor try products alone are worth half a billion Fraser of the dairy department of the Illinois dollars a year, or 50 per cent. of the total College of Agriculture, which presents the value of the cotton crop. And he declares conditions of dairy-farming as they now that the South enjoys unusual opportunities for producing its own supply of swine and poultry, yet the present deficiency is marked. Take the following, for example, from the Secretary's readable report:

> While in Iowa the average farm has 6 milch cows, in North Carolina and Alabama it has less than 2, and in South Carolina 1. While in Iowa the average farm has 35 hogs, in North Carolina and Alabama it has less than 5, and in South Carolina less than 4. While in Iowa the average farm has more than 108 head of poultry, in North Carolina and Alabama it has less than 20, and in South Carolina less than 17. An investigator has recently said that the average farm home in Georgia produces less than 2 eggs a week; about two-thirds of an ounce of butter and two-thirds of a pint of milk a day; one-third of a hog, onetwelfth of a beef, and one one-hundredth of a sheep a year for each member of the family; and that the cotton crop of the State does not pay the State's food and feed bill. No Southern State is giving sufficient attention to the production of foodstuffs either for human beings or for live stock. A conservative estimate indicates that Texas imports from other States annually more than \$50,-000,000 worth of wheat, corn, and oats; Georgia more than \$24,000,000; South Carolina more than \$20,000,000. Twelve Southern States import more than \$175,000,000 worth of these three commodities and \$48,000,000 worth of meats, dairy products, and poultry products. It may be admitted that most of these States should not undertake the production of these commodities for foreign or interstate shipment in competition with the great States of the Middle West, but every student of the subject must recognize the unwisdom of the neglect to produce enough of these things for the consumption of their people and for the laying of the foundation of a prosperous live-stock development.

In short, the important thing is Improvement to turn the ordinary cottonraiser into a real farmer. Already, however, the worst is past. The great campaign of farm demonstration carried on in the South by the Department of Agriculture and the General Education Board has produced appreciable results. Thousands of boys in the so-called "corn clubs" are proving that with the right kind of farming the averrecovery. The prospect of a much-reduced age yield per acre can be not merely doubled acreage, as the cotton-growers are now soon but increased fourfold. Thousands of girls to plant the crop, will be noted with especial in the "canning clubs" are learning the value of practical gardening in connection with

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diction that very high prices are to be main- formal and argumentative "notes." tained has not yet been set forth.

The Gauses of Speculation character of the food market last price of wheat abnormally high.

in many respects similar to that which em- Great Britain or with Germany.

farm homes. The State agricultural colleges broiled our Government with France and are now carrying on a propaganda of prac- with England in the days of the Napoleonic tical reform, and in a number of the States struggles, and that led us into the second agriculture has been introduced as a necessary war with England when we had barely essubject in the common schools. The high caped a war with France. At the very beprices of land in the Middle West have made ginning of the war our Government should it profitable once more to bring back to fer- have brought together the chief neutral powtility the impoverished and abandoned farms ers having commerce or ships affected by the of the older States of the East and Southeast. struggle, and a common course of action should have been agreed upon. It is true Viewing the immediate situation, that case after case of arbitrary seizure was Large Crops, Lower Prices, therefore, whether in the United called to the attention of the British GovProbable States Canada South America ernment: but it was not until high-handed States, Canada, South America, ernment; but it was not until high-handed Asia, or Europe, it is plain that the year courses had become habitual that our Gov-1915 is to witness the most exceptional efforts ernment sent its elaborate note on the subject to produce the largest supplies of breadstuffs, of so-called "contraband." It is not necesvegetables, and fruits, as well as poultry, sary to find any fault with the belligerent swine, and other kinds of food,-that the governments. They are engaged in a stupenworld has ever known. War conditions and dous struggle, and are not doing any intenindustrial paralysis, on the other hand, will tional wrong to neutrals. It is the business reduce purchasing power,-that is to say, of neutrals to keep away from the fringes of will render the demand for food less effective trouble, if they can, but to know their rights in the commercial sense. Just how to recon- and to insist upon them with firmness, good cile these broad facts with the general pre-temper, and the least possible indulgence in

The speculative and anxious character of the food market last We Have Small Concern in the Morth Sea Commercial shipping at stake month was simply due to fear as than belongs to us. The rights of neutral regards the possible closing of some of the merchant ships in the North Sea may be of larger avenues of commerce. England was some theoretical concern to us, but of very obviously dependent upon keeping the seas little practical moment. Our trade with open in order to obtain her future food sup- Europe is in no way dependent upon ships ply: and preferred to pay high prices for flying the American flag. When, therefore, grain now in sight in order to keep reserves the German Government warned neutral on hand, rather than to let her stock run powers that there might be much danger after low with the idea of buying cheaply in the February 18 in the English Channel and late summer and fall. As for Germany, the waters adjacent to the British Islands, while her need for food from the outside was we were very slightly affected in a practical less urgent, it was the dictate of common way. Norway, Holland, Denmark, and Sweprudence to ship in as much wheat as possible, den were very much more directly concerned. and to demand the right to obtain food at The best possible advice to American shipall times for her civilian population when owners would have been, "Keep out of the brought in neutral ships. These conditions danger zones till the situation clears up, and greatly stimulated export in January and be thankful for your mercies!" For fifty February, and favored those speculative per- years we have had no merchant shipping, to formances in the United States that kept the speak of, entering European waters; and we should be extraordinary fools to be forcing ourselves in at the one moment when sensi-Ever since the outbreak of the ble people would be glad to keep out. We Orowaling Neutrals Off war, the tendency on the part of had great and legitimate interests in Mexico. the belligerents to trespass upon which we were instructed to abandon in order the rights of neutrals has been increasing, that our country might not be embroiled. We Beginning with Germany's outrageous viola- have no shipping interests in the North Sea tion of Belgium, there has been little re- or the waters around Great Britain that are gard for the principles of international law of any relative importance; and we have no whether on land or on sea. The situation is occasion to become embroiled either with



THE PRIZE-TAKER [A GERMAN VIEW OF JOHN BULL] "How long will the neutral nations allow this brutal fellow to tread upon their corns."

From Lustige Blatter © (Berlin)

Since the ordinary reader cannot A Word possibly keep track of the diplomatic correspondence, with the warnings, threats, and counter-threats of the belligerents, a few simple words may help to internal situation in Germany. It is plain make more clear the nature of the contro- on a moment's thought that the German versy. It all comes from strained and im- Government could not have had the slightest proper definitions of contraband. Munitions object in announcing a food monopoly, if of war and articles intended for the direct such action would have justified England in maintenance and supply of armies and navies treating wheat destined for Hamburg or are called "contraband," and are subject to Bremen as contraband. As a matter of fact, seizure at sea when destined to a belligerent there was no more right or justice in Enghave a right to sell and ship contraband sup- destined for Germany, than in Germany's so plies to any purchaser, on the chance of their stigmatizing the wheat that is constantly enarrival. England buys huge quantities of con-tering the port of Liverpool. The German traband in the United States, because the reply took the form of an announcement that German navy is bottled up and England can if England would not allow the German get the stuff into her own ports. Germany people to import food in neutral ships, it buys no contraband from us, because the would become the policy of Germany, after English navy vigilantly overhauls all mer- February 18, to try to prevent the importing chant ships that are supposed to be carrying of food into England. In theory and prinsuch wares. There are other articles known ciple the propositions were not unlike. as "conditional contraband." For a time actual difference lay in the fact that Eng-England held up cargoes of cotton intended land's navy could easily overhaul all ships for Germany. This was an abuse of the doc- making for German ports, while Germany trine of contraband, and England finally could only retaliate by threatening to strike vielded to our protests. Gasoline and copper at merchant ships with torpedoes from subare other articles which England treats as marines, or to render British waters dangercontraband if destined for Germany. Cargoes ous by scattering mines. We have been of such wares were regularly held up, even accused, from month to month, by our Gerthough destined for neutral countries like man-sympathizing readers with being pro-Italy, on the ground that they might subse- British. We pay no attention to such charges,

quently be shipped from those neutral countries into Germany. This was going very far.

England's position on such Wheat points has been disputed and at-Contraband tacked by our Government, but without much avail. There are some things, however, that are never properly contraband, -most important among which are ordinary supplies of food intended for the civil population of a country. On February 2, England made the extraordinary announcement that she would not permit neutral ships to carry wheat to Germany. This upon its face was a most flagrant violation of the rights of neutrals and the established principles of international law. England's excuse was that there were reports of the assumption of governmental control over food supplies in Germany, and that this might fairly be regarded as giving the character of contraband to all food imports. Such an inference was both far-fetched and hasty. We have already explained, in previous paragraphs, the . nature of the German Government's oversight of food supplies.

Government Even our own A Mistaken seemed to overlook the essential point by failing to understand the Private citizens in neutral countries land's stigmatizing as contraband the wheat

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because our readers well know that we have endeavored to present the truth. Perhaps some of our English-sympathizing friends will now charge us with being pro-German when we express the view that the English Government was hasty and erroneous in its mandate against the carrying of wheat in neutral ships to German ports for use of the civilian population. Such wheat could not be contraband unless it were shown plainly that it was intended for the use of the army. The British position was technical and arbitrary.

Although the German declara-Our Flag tion stated that the submarine campaign against merchant ships would not begin until February 18, there was much excitement; and on February 6 the Lusitania (the great Cunard passenger liner, outbound from New York) crossed the Irish Sea and entered Liverpool harbor flying the American flag as a ruse. Our State Department prepared two notes, which it sent at the same time in order to seem to keep its neutral balance. One was sent to England, protesting against the use of the American flag on English merchant ships in their endeavor to escape destruction from torpedoes, even though they might be carrying American passengers and goods. It does not seem



"If you can keep your head while all about you are losing theirs—"

-Kipling

From the Sun (New York)



SAFETY FIRST From the World (New York)

to us that our Government's position was particularly sound, or that there was any occasion for protest. Any unarmed merchant ship engaged in its usual and proper business would fall short of its duty to save life and property if it neglected any method whatsoever by which it might escape destruction. The use of a neutral flag under such circumstances violates no rule of international law, harms nobody, and reflects no dishonor upon the borrowed flag, but rather the contrary. Such practises have been recognized as wholly proper from time immemorial.

Our second note was to Ger-Our Note many, and, while in the form of to Germany words it was courteous, it came little short of being an ultimatum in its purport. It warned Germany that no mistakes must be made, and that American ships were not to be sunk in the open seas merely because Germany had chosen to designate certain great expanses of the ocean as a war zone. Germany had not, of course, claimed any right to exclude neutral ships, but had given warning that mines and torpedoes would create fresh hazards, and that the route around the north of Scotland would be safer and better. Germany's position was plainly wrong, and her statement of it was offensive. The United States was justified in giving counterwarning, though the simpler communications of the European neutrals constitute better diplomacy than our understand why such a blockade had not been proneness to the writing of lawyers' briefs declared, as respects at least a portion of the and arguments.

The Really America that food importations would be us abroad. used strictly for civilian needs.

There was, indeed, one way by A Blockade the Proper



"CATCH AS CATCH CAN" From the Tribune (South Bend)

coast, several months ago. England's sea power is so great that her declared blockade Our chief diplomatic mistake lay would not be regarded by any neutral counin calling England's attention to try as a merely "paper" affair; and blockadethe wrong thing. The Lusi- runners would take their own risks and have tania's use of the American flag was not en- no claim upon protection of any government. titled to a moment's passing notice by the The German submarine threats did not State Department. But the actual seizure of amount to a blockade in the internationalthe American ship Wilhelmina, together law sense, because Germany's submarine fleet with her cargo of wheat destined for Ger- is not large enough to form a patrol of the many, called for the clearest kind of state- hundreds of miles of British seacoast; so that ment upon a wrongful interference with our no neutral government could be asked to commerce. The seizing of a non-contraband respect such a declaration. Finally, these sitcargo in a ship whose neutral registry is uations are all very distressing and lamentaof unquestioned validity is a much more seri- ble. But our own Government and people ous incident than all of the cotton, copper, have no real occasion to be mixed up in the and other contraband incidents put together turmoil along the British and German coasts. that formed the basis of our elaborate and "Watchful waiting" is a phrase that-might ill-received note to the British Government well be applied to all these maritime probof December 28. Yet, even in all this, Ger- lems. The war is a life-and-death matter for man diplomacy was to some extent at fault, the great powers that are engaged in it. For because for several days it did not explain the us, as regards these topics of diplomatic discivilian nature of the German food monopoly, cussion, the war at worst is a mere inconand did not make it clear even to neutral venience. Neither duty nor advantage calls

Nothing since the outbreak of Party Strife the European war has been Washington fraught with so much danger which England could lawfully to the welfare of the United States as the keep neutral ships from entering almost insane spirit of controversy that took German ports for any purpose whatsoever; possession of those in authority at Washingand that was by declaring a blockade of the ton last month. "Filibusters," "dead-locks," German coast and proceeding to make such all-night sessions, turned the Senate into a blockade reasonably effective. It is hard to bear garden. In times of great emergency, it is not usual for governments to flaunt partisanship. On the outbreak of war, cabinets were quite generally reorganized in Europe, in order to make them national rather than partisan. This was done not merely by the countries engaged in war, but also by a number of the neutral powers. Besides the rearrangement of cabinets, the plan was formed of calling into council, in all matters of importance, the leaders of opposition elements in the legislative bodies. Thus in England, Lord Kitchener was called into the cabinet with full authority over the military situation; and all measures have been taken with the unanimous support of all parties in the House of Commons. This was illustrated in the granting of unlimited credits to the government by Parliament last month, for the further costs of the army and navy, or whatever relates to the war. In France there has been such harmony as the country had never known before, and it may fairly be said that no Frenchman,—whether

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in the cabinet, the legislative chambers, or colossal and deadly war of all history. This the army,-has seemed to be seeking his own constitutes the special reason why the deglory or aspiring to anything except the cisions and policies of our government at service of France.

Harmony Needed

parties. In the opening weeks of the war there seemed to be a reasonable prospect that partisanship would be restrained, even if not obliterated, at Washington. A number of measures were entered upon in a patriotic spirit, without much controversy. As the war has progressed, the reasons for solid and united support of American policies have not grown less. The difficulties of our maritime position as the foremost neutral country have increased in consequence of the fact that the war has proved less swift and decisive than was generally expected, so that questions of trade and commerce have become more vitally involved than could well have been foreseen. These are questions which, in their very nature, demand treatment on their merits, with the largest possible concurrence of judgment and support, and with no showing of party lines or political maneuvering.

l'hotograph by Harris & Ewing SENATOR FLETCHER OF FLORIDA

(Who led the supporters of the Administration's Ship Purchase measures, in committee and on the floor of the Senate throughout the deadlocked sessions)

are general, and

And this is for

two reasons that

Reasons

United Front

Washington ought to be wholly free from party motive or spirit. They ought to be In the neutral countries of Eu- entered upon only after the utmost striving rope there has been the utmost to find grounds of agreement, even to the effort to make government ac- point of complete unanimity. In the face tion responsive to the general sentiment as of a world crisis so profound and serious, expressed through the public leaders of all the situation at Washington last month

was nothing less than appalling in its show of recklessness.

The regular busi-The Real Work ness of the session Congress of Congress was the thorough consideration of a series of great bills, providing for the expenditure of about one thousand million dollars, while also dealing with the probable shortage of revenue. Congress in the last session had promptly acquiesced in the proposal to levy extensive war taxes; but in spite of these new sources there promises to be a shortage, due principally to the falling off in the tariff duties on imported goods. The passing of the appropriation bills always involves much more than the mere granting of money, because there must needs be debate upon the domestic policies involved in the expenditures. For example, the country has regarded it as a matter of prime importance, in connection with the army expenditures, that the authorities at Washington should work out, in a spirit of agreement, an

one that is special. The general reasons are improved system of national defense. It is (1) that delicate foreign policies are in-never possible to pass the navy supply bill volved, and no country should present party without a reopening of the question how divisions to the outside world; while (2) many, and what kind of, ships ought to be purely business interests are at stake, and built from year to year. There was parthese cannot by any chance be either Repub- ticular reason just now for bringing together lican or Democratic in their complexion, the best judgment and experience of all wise These two reasons would apply at any time. leaders in an endeavor to lift the naval Even if the world were at peace, we ought policy above partisanship and adapt it in not to make party quarrels out of questions every way to the situation that faces the having to do with the movement of our country. There were many other problems commerce with foreign countries, or its associated with the supply bills that were treatment by foreign governments. But more than sufficient to occupy the entire time there remains the simple fact that the leading and attention of Congress. The present sescommercial nations are engaged in the most sion must expire on March 4 because on that

date are ended the terms for which all members of the House, and one-third of the members of the Senate, have been elected.

could truthfully be said that its prompt pas- bill. sage was prevented only by the filibustering modifications of the measure, in order to obof a small minority that was taking undue tain the support of Messrs. Norris and Kenadvantage of parliamentary privileges to ob- yon. With seven Democrats opposed to the struct the course of legislation. It cannot bill, and these three Republicans favoring be said, however, that the Ship Purchase bill it, the division was 48 to 48. By every was of this character. We are not at this known trick in the parliamentary game, and moment speaking of its possible merits. It is by sheer physical endurance tests, with allof the proceedings in the United States Senate night sessions, and individual speeches runwith relation to this bill that we are occupied, rang continuously in some cases for from ten here. A measure that had no party character to fourteen hours, it was sought for a number in its very nature, was made the occasion of of days to break the deadlock. Meanwhile, the most intense and bitter party fight of a puzzled public asked what it was all about. forty years.

In the previous session there had been introduced in both Houses push them into our trade,—with South business knowledge. statesmen as well as by public opinion,

**Filibuster

If the entire body of Democrats in the Senate had been willing and Deadlock to obey the caucus decision, stand together, and follow the lead of the President It was not, therefore, desirable as "captain of the team," the Republican that Congress should occupy filibuster would have been somehow overitself at great length with any come, and the bill would have been passed other measures, although there were various in some shape. But to the great dismay bills of importance that had been previously and surprise of Senator Fletcher of Florida considered and might fairly have been who was managing the bill, seven Democrats brought to a vote, in one house or in both, broke away at the critical moment and this as a matter of common consent. It was resulted in a virtual tie of the Senate. For manifestly not a time in which a bitterly the first time in almost twenty years every controversial measure that involved new and Senator was in his seat and on duty. Up to untried ideas could be properly held to have a certain point, Senator LaFollette of Wisan importance superseding everything else, consin, Senator Kenyon of Iowa, and Sen--unless the project commanded the support ator Norris of Nebraska, acted with the of a large and clear majority, so that it Democrats in favor of the Ship Purchase The leaders had consented to some

It is needless here to recount the The details. The thing to note is Country's Loss that the country needs the colbills authorizing the Government lective wisdom of the Senate in a period like to form a company for the purchase and op- the present, and that it gets nobody's wisdom eration of mercantile ships. It was quite when the Senators are engaged in a desperate, generally understood that the Administra- deadlocked fight: Contrary to the opinion tion had formed a tentative plan for buying of some people, the Senate is an exceedingly some of the numerous fine German passenger able body. Its membership to-day averages and freight ships that were lying idle in our better in legal knowledge and statesmanlike harbors by reason of the menace of the British qualities than at almost any previous moment navy. It was thought that if our Govern- in our history. There are excellent men on ment itself bought these ships no one could both sides of the chamber. The cabinet is make the accusation that the transfer was also made up of patriotic and able men, sevevasive or in bad faith, and that we could eral of whom are of marked sagacity and The President's pa-America, if not with Europe,—so that with triotism and high attributes of intelligence the opening of the Panama Canal we should and leadership are universally conceded. The have made a large beginning towards a new country has been entitled to expect that at American merchant marine. The idea was this time, of all times in our history, such a brilliant one if workable. Its motives were men would lay aside political wrangling, in unquestionably patriotic. But so novel a the face of a troubled and desperate world. measure, and one so profoundly important There is nothing whatever in this Ship Purin its bearings, could not safely be enacted chase bill that could not be much better dealt into law unless thoroughly considered in with by the plan of non-contentious, careful all its aspects and strongly supported by study with a view to agreement. Controversial methods of dealing with it have only

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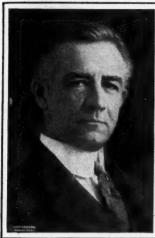
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@ Harris & Ewing GILBERT M. HITCHCOCK (Democrat, Nebraska)

Photograph by Bain WESLEY L. JONES (Republican, Washington)

@ Harris & Ewing JOHN W. WEEKS (Republican, Massachusetts)

THREE SENATORS PROMINENT IN THE OPPOSITION TO THE ADMINISTRATION'S SHIP PURCHASE LEGISLATION (Senator Hitchcock was one of the seven Democrats who refused to support the Administration. Senator Jones earned the distinction of making the longest speech, talking nearly fourteen hours. Senator Weeks was the author of a bill which the Administration leaders amended so radically in the House as to make it serve their purposes as a compromise)

Points

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confused the public, so that neither its faults nor its merits have been rightly understoc.

Carried the bill, as did nineteen Democrats. The measure as thus passed provides for a government shipping board, to buy and operate mer-

The hard fight had been made chant ships until two years after the end of first in the Senate, because it was the European war. The maximum investknown that Democratic leader- ment is expected to be about \$50,000,000. ship could pass any bill through the House The ships are to be transferred to the Navy that had been determined upon in the other when the board goes out of business, and But when the deadlock in the Secretary of the Navy may lease to pri-Senate could not be broken, the plan of vate shippers such vessels as are not needed campaign was changed and a bill was hastily for transport or other naval purposes. It put through the other house, although with- was hoped by the Democrats that this measout much enthusiasm. Senator Weeks of ure, coming back to the Senate from the Massachusetts, one of the foremost oppo- House, might have a favorable parliamentary nents of the Democratic bill, had previously position and be forced to a vote, with Vicebeen able to pass through the Senate a bill President Marshall breaking the deadlock if of a much more moderate character, au- his vote were needed. Meanwhile, there had thorizing the Secretary of the Navy to use been charges that Government officials had such vessels as might be available for carry- been unduly interested in the purchase of the ing mails, passengers, and freight upon routes interned German ships, while on the other to South America or to Europe as should hand there were counter-charges to the effect prove necessary. This bill remained on the that a lobby representing existing steamship calendar of the other house. The Demo- lines had been working at Washington crats decided to use the Weeks bill as a basis, against the Administration's bill. A comand to amend it in such a way as to embody mittee of Senators was appointed to investithe main points of the Government's pro- gate these scandalous rumors. It is permisgram. This was actually done, and the bill sible to say that there had not seemed to be was forced through the House under a rule any ground for the accusations on either providing for six hours debate. The vote side. The Administration had been favoring came early on the morning of February 17, the bill for public reasons, as Secretaries 215 members favoring and 122 opposing. Redfield and McAdoo were, of course, All of the Republicans present voted against readily able to show. On the other hand, Senators were not opposing the bill through

March-2



Photograph by American Press Association, New York SENATOR NORRIS, OF NEBRASKA

(Senators Norris, Kenyon, and La Follette refused on February 17 to accept the Ship Purchase bill as amended and passed in the other house, because they favored a permanent Government merchant marine. Their abandonment of the Democrats changed the majority and prevented the bill from going to con-ference committee)

Again the Senate Rulesl value; but no one pretends that the extremely itself without stint in war effort.

long speeches were for any other purpose than to prevent a vote. Senator Norris of Nebraska has taken the lead in an endeavor to provide a way for finding a reasonable limit, and ending such situations as were created last month when the Senators camped out upon cots in cloak rooms and committee rooms, ready to rush into the chamber if a roll call was ordered, while Senator Iones of Washington or some other long-distance orator, talked all night without a human being listening and with only two or three Senators, acting as pickets, lounging in the Senate chamber. Nothing of this kind is possible in any other great parliamentary body in the entire world. The House of Representatives now does business, as a rule, without real debate. The Senate must continue to deliberate, but it ought not to filibuster. A reasonable plan for protecting the Senate against its own excesses can certainly be worked out and adopted.

Their hopes of passing the Ship Affairs in Our Hemi-Purchase bill having been frustrated on the 17th by the refusal of the three progressive Republicans to support them, the Democratic leaders consented to take up the appropriation bills that had come to the Senate from the other house. The Naval bill, for instance, had been sent over with a total appropriation of nearly \$147,000,000. It called for two new battleships of the first class, eleven submarines, and half a million dollars for naval aircraft. The Senate will change it in various particulars. It is to be noted that late in January the plan of passing the Immigration bill over President Wilson's veto narrowly failed to obtain any inducements offered by shipping inter- the necessary two-thirds vote in the House, ests. As for the purchase of interned ships, the test showing 261 for and 136 against it had come to be quite unlikely that a Gov- overriding the veto. The policy of "watchernment shipping board would buy vessels ful waiting" at Washington, as respects owned in any of the belligerent countries, Mexico, had continued without change, Mr. unless it had been learned through diplomatic Duval West, of San Antonio, having been channels that no objections would be raised. sent by the President to represent him and report upon the views of the leaders. The struggle in the Senate called struggle between the followers of Carranza attention once more to the need and Villa was going on last month without of rules for the regulation of indication of conclusive results. The South Some plan ought to be devised to American countries were gaining in prosobviate on the one hand peremptory action perity and strongly urging a united policy under caucus rule by a bare majority, and of protection for Western Hemisphere comon the other hand the practise of filibustering merce against belligerent aggressions. The on the part of a minority through the abuse opening of the great fair at San Francisco was of the privilege of unlimited debate. It is attracting attention to an enterprise that had fair to say that a number of the speeches in not been delayed or modified by reason of the the Senate were of remarkable ability and war. Canadian energy continues to expend

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DR. ALEXANDER GRAHAM BELL. WITH GUESTS. ON OCCASION OF THE FIRST TRANS-CONTINENTAL TELEPHONE CONVERSATION, IN THE OFFICES OF THE AMERICAN TELEPHONE AND TELEGRAPH CO., NEW YORK

(From left to right: Chief Engineer John J. Carty, of the Telephone Company; Hon. George McAneny, President of the New York Board of Aldermen; Vice-President U. N. Bethell, of the Telephone Company; Dr. Bell (under the portrait of President Theodore N. Vail, of the Telephone Company); Mayor Mitchel, of New York; President C. E. Yost, of the Nebraska Telephone Company, and Controller W. A. Prendergast, of New York)

Telephoning Continent Francisco, by way of New York,—a distance fection of the physical plant. of 4300 miles,-and then by way of Boston, a distance of 4750 miles. It was these Thomas W. Watson,—who first used the Various elements contributed importantly we shall soon be able to talk across the ocean.

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"Mr. Watson, are you there?" to the success of this historic event. The insaid Dr. Alexander Graham vention, some years ago, by Professor Bell, in New York, on January Michael I. Pupin of a "loading coil," doing 25 last. "Indeed I am," came the clear reply away with the distortion of current waves from Mr. Thomas W. Watson in San Fran- as well as the "relaying" device for amplifycisco; and with these two simple sentences ing or revivifying the current at various was opened the first transcontinental conver-points invented by Mr. Peter Cooper Hewitt, sation over the telephone. The total distance both had a vital bearing on the development was thirty-six hundred miles. And then of long distance telephony. Not a little credit connection was successfully made between is also due to the work of Mr. John J. Carty President Vail, of the telephone company, at and Mr. Bancroft Gherardi, engineers of the Jekyl Island, off the coast of Georgia, to San Telephone Company, for the necessary per-

But even greater achievements Cross-Ocean same two men,—Alexander Graham Bell and Wireless Speech are promised. The human voice Coming! is already being transmitted over telephone in their rooms in a boarding house considerable distances without the use of in Boston thirty-nine years ago. Since then wires. Last month this feat was performed the system of wire communication has stead- from a moving train on the Delaware, Lackily advanced. Beginning in 1876 with the awanna, and Western Railroad over a space first line, two miles long, between Boston of twenty-six miles; while in a test made on and Cambridge, New York was linked the Pacific Coast, wireless conversation was to Boston in 1884, and then other cities said to have been successfully carried on over Westward, until now the Metropolis is a distance of 721 miles. Both Professor on speaking terms with the Golden Gate. Pupin and Mr. Hewitt have predicted that

Active exceedingly active they have been ever since were addressed surrendered. In all climates and in all kinds legislature. of weather, day and night, the scouts of the air have been busy. The value of aerial reconnoissance has proved incalculable, eliminating the element of surprise from military ing them.

Japan Japan had presented certain demands to the "regular" candidates of both parties. or anything conflicting with the spheres of his responsibility in the matters criticized.

Forty aeroplanes, British and influence now enjoyed by other powers in French, engaged in a simultane- China." Negotiations between the two govous raid of destruction against the ernments continued at Peking until the mid-German bases in Belgium on February 16. dle of February, when it was reported that And a few days before, thirty-four machines all of the Japanese demands, twenty-one in had flown on a similar expedition. The bomb-number, had been rejected by China, Japan's dropping air raids indulged in by both the attitude is approved in England and looked Germans and the Allies between points in upon as merely an attempt to obtain a defi-Belgium and Dunkirk and Calais in the north nite settlement of outstanding claims. Meanof France have been very frequent. These while, the cordiality of the relations between operations bring strikingly to public attention the United States and Japan has been emthe activities of the airmen in the war. And phasized by meetings held in Japan, which by hostilities began. Five thousand aeroplanes, Mathews, of the University of Chicago. and more or less, and over a hundred dirigible Professor Sidney L. Gulick, of New York, balloons have been traversing the air lanes who represent the Federal Council of over every part of the entire War Zone-in Churches of Christ in America. Governor Belgium, France, Germany, Austria, Russia, Johnson, of California, has announced his and the Balkans; even in Africa, and in opposition to any effort to reopen the ques-China, over Tsing-Tau, before that place tion of the alien land law in the California

Not content with overtopping by Chicago to two years his father's record of Mayor ten years as Mayor of Chicago, operations. Only last month, when von Carter H. Harrison II sought the Demo-Hindenberg, in East Prussia, had all but sur- cratic nomination again last month in the rounded a Russian army, the alert eyes of primaries. Mr. Harrison was first elected the Russian airmen discovered the enveloping in 1897, serving four two-year terms and movement in time to prevent complete anni- voluntarily retiring in 1905. In 1911 he hilation. The discovery of the enemy's bat- became a candidate again, and was elected teries and the directing of artillery fire in for a four-year term which is just now drawthese days of long-range guns and clever ing to a close. His principal opponent in the methods of concealment have made the avia- Democratic primary last month was Robert tor the eve of the "man behind the gun." M. Sweitzer, whose strength consisted of an Each time he prevents the waste of a single excellent record as County Clerk and the shot from a big gun he saves the cost of his active support of Roger Sullivan. The Reaeroplane. And the usefulness of the aircraft publican nomination was solicited by Wilis being gradually extended. For instance, at liam H. Thompson, a wealthy sportsman Craonne, last month, aviators prepared the affiliated with the Lorimer faction, and by way for a French charge by dropping bombs Harry Olson, who has been Chief Justice of on the Germans and completely demoraliz- the great Municipal Court since it was established in 1906. These pages were closed for the press too soon to give the results of It was reported from Peking late the primaries of February 23. The first trial in Ianuary that as a sequel of the of Chicago's primary law (four years ago) taking of Kiao-chau and the ex- was pronounced a success by political repulsion of Germany from Chinese territory, formers, for it resulted in the defeat of the government of China. It was understood present campaign has been replete with acrithat Japan asked China for the transfer of monious discussion, on the platform and in concessions formerly held by Germany and the press, indulged in by practically all the Austria, the opening of various rivers to candidates. The women of the city are for foreign navigation, and also certain railway the first time participating in a mayoralty and mining concessions. The government at election. Some of them have sought to in-Tokio announced, however, that the proposals vestigate social conditions; and their findings made to China "contained nothing of a nature have naturally hurt only the incumbent, to disturb the territorial integrity of China Mayor Harrison,-out of all proportion to

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necessary in each case to have favorable a procedure which takes several years. action by two successive legislatures, and the and final action had been taken in New York, nessee a second passage is required, but West Virginia will vote upon the proposition in 1916, and Arkansas probably in 1917.

Further Prohibition "Dry" amendments have also been adopted for months to come.

The scene of woman-suffrage ac- by the upper houses of the legislatures of tivity has suddenly shifted from Iowa, Montana, and Utah, with excellent the West to the East. In the prospects for passage in the lower branches. four great commonwealths of Massachusetts, Iowa will probably enforce prohibition by New York, New Jersey, and Pennsylvania statute pending the required second passage the legislatures are submitting woman-suf- through the legislature and the submission frage amendments to the voters. It had been of a constitutional amendment to the voters,

measures were all on their second passage.

When these notes were written, favorable

Inemployment: The emergency of the past win**A National** ter has found the country quite Problem as unprepared to cope with the Massachusetts, and New Jersey; and in evil of unemployment as it would have been Pennsylvania the measure had been passed in the event of foreign war to defend itself by one house and was being favorably con- against any first-class power. It is only withsidered in the other. In the legislatures of in the past year or two that any great numall these States there has of late been little if ber of citizens outside the ranks of social any opposition. It is not to be denied that workers has become seriously interested in the suffrage workers have won a great vic- the problem of finding work for the worktory, after a long fight, in getting the meas- less. It is not strange that there has been, ures out of the legislatures; but the cynically thus far, a failure to agree upon any general inclined see many evidences of the desire of remedial program. In some of the States the legislators to shift the burden to the marked progress has been made in organizing voters. The suffragists,-with the possible and improving public labor bureaus, State exception of the most sanguine,—will them- and municipal. At the same time there is a selves be surprised, next fall, if a majority of growing feeling in the country that the Fedthe male voters of even one of the great eral Government itself must establish a na-Eastern States favor the doubling of the tional bureau that will, in some degree, conelectorate. Woman-suffrage has also made trol the entire situation. It will take time, notable gains in the South within recent however, to bring this to pass, and early in The legislatures of Arkansas. West the winter it became clear that immediate re-Virginia, and Tennessee all have ratified, by lief in some form would be demanded in all fair majorities, resolutions for the submis- of our great cities and in many of the smaller sion of constitutional amendments. In Ten-towns and villages throughout the country.

Inquiries made by the Survey, of A Serious New York, in seventeen of our Situation largest cities showed that there It has seemed feasible and ap- had been in December an increase of applipropriate for us, from time to cations to charitable societies ranging from time during recent months, to 30 to 100 per cent, over the same period last chronicle the advance of prohibition move-year. With such conditions confronting ments in various sections of the country. In them, city officials and charity workers could the December issue, for instance, we noted not wait to get together on any platform that the adoption of statewide prohibition by the involved the starting of new national mavoters of Washington, Oregon, Arizona, and chinery, but were compelled to adopt prac-Colorado,—the culmination of long and tical relief measures varying with the special arduous campaigns in each State. Arkansas needs of each locality. Besides, the problem has now found it possible to enforce prohibi- as it presented itself was more than one of tion by a much quicker method,-simply organization or machinery. For the man through legislative enactment,-and has done without work the employment bureau could it so quietly as to attract little attention be of no service unless there was a job that without her own borders. The measure was it could connect him with. At the beginpassed by the House on February 1, by the ning of the winter it seemed in many cities Senate on the 5th, and on the following day that the shortage of jobs was so serious as to it was signed by Governor Hays. It will go amount to far more than a merely transitory into effect on January 1, 1916, and Arkansas condition. In many employments there will become the fifteenth prohibition State. simply was no work and no prospect of work

The old way of meeting a crisis Public of this kind was to provide relief Works funds in the form of cash, and to been put over until spring. The Park Board half-time labor where otherwise there would of Minneapolis, for the sake of employing have been wholesale discharges. men whose families were in distress, started the clearing of a strip of lowland soon to be flooded by the building of a dam in the Mississippi. Cincinnati is putting hundreds of men to work on the new water-works loop sion held a series of hearings in New York and high-pressure fire service. The State of City which attracted the attention of the Massachusetts is undertaking the reclama- country to an unusual degree because of the tion of wet lands, and has appropriated prominence of several of the men who were \$50,000 for immediate expenditure.

money awarded him in 1906.

In any review of the winter's Nom experience regarding unemploy-Leadership ment three facts stand out: (1) distribute these as judiciously as possible the tendency everywhere to look upon the among the families made destitute by unem- problem of unemployment as a big national ployment. This method has never had the question demanding the ablest statesmanship approval of intelligent students of the prob- of our day; (2) the disposition to solve the lem, and in the recent emergency it was special problem in each locality by the most almost universally discarded. Only one large direct and practical method, that is, by procity, Philadelphia, voted public money to be viding work instead of money; (3) the callused in this way, the emergency relief fund ing out in many communities of the best of \$50,000 being disbursed there by the available talent for dealing with this prob-Emergency Aid Committee, which was com- lem, as instanced by Judge Elbert H. Gary's posed entirely of women. In other cities activities as chairman of the Mayor's Comwhere appropriations have been made from mittee in New York and by the Chicago City the public funds attempts have been made to Industrial Commission, headed by Professor provide work to be paid for at a living wage. Charles R. Henderson, and including repre-The city of Chicago, for example, kept all sentatives of the Harvester Works, the packits Public Works employees at work much ing companies, the Western Electric, the longer than in ordinary years, carried out Crane Company, the railroads, the building extra park development work and extra street trades, and the Chicago Federation of widening, and began the construction of Labor. The influence of these bodies has school buildings that would ordinarily have done much to induce employers to continue

During the month of January Industrial and the first half of February Relations Hearings the Industrial Relations Commissubpoenaed by the commission to answer its questions. Two purposes seemed to be in At the best, however, city and view in the holding of these hearings,—first, State governments can employ obtaining the views of well-known capitalists only a comparatively small num- and publicists on the relations of capital and ber from the swollen ranks of the out-of- labor; and, second, an inquiry into the aims works. Private employers must take the chief and methods of several of the great foundapart of the burden in times like this. Thus tions recently organized and endowed for the Pennsylvania and allied railroad systems educational and humanitarian objects. As now building great terminals in Chicago are regards the first of these purposes, the opinable, by advancing the beginning of the build- ions of "captains of industry" and "money ing operations, to give work to 12,000 men. kings" are always of interest; and in eliciting There are not many instances like this, but these the commission was, in a measure, sucthroughout the country corporations and in- cessful. As to the second purpose of the dividuals, by undertaking work in the winter hearing very little was disclosed that had instead of waiting for spring, have been able not already been well known to the general to give employment in the aggregate to many public beyond the fact that such institutions thousands of workers who would otherwise as the Rockefeller, Carnegie, and Sage have been without work throughout the win-foundations, the General Education Board, ter. It is this fact that makes the outlook at and other recently formed organizations of the end of February for the country in gen- this type are officered and conducted, witheral far more bright than it was at the end out exception, by the highest type of expert of December. To aid the emergency work in ability that can be commanded in this coun-New York, Colonel Roosevelt generously try, and that their possibilities for good to gave \$10,000 from the Nobel Peace Prize America and the world at large are practically limitless.

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Now that the Industrial Rela-The Commission's tions Commission has assured itself of these facts, the country would like to see it turn to some of those specific fields of investigation that were in the minds of those who secured the passage of the law creating it during the Taft administration. In 1913, after President Wilson had appointed the members of the commission, an article contributed to this REVIEW suggested that the commission might find some of its most definite and broadest work in "overhauling our labor departments and correlating the work between States: in developing greater publicity as to sources of employment in terms of work: in standardizing public minimums as to safety, hours, wages, and other conditions; and in developing machinery for mediation and arbitration and in advancing the bargaining that goes on about those minimums." Several of the commissioners appointed by President Wilson are known to be peculiarly qualified by years of study and experience to pursue just these lines of inquiry. There is a feeling that if they should be permitted to do this, the public interest would be better served and the Government's money more wisely expended than by holding repeated series of hearings on subjects that relate only remotely to these specific problems. It was stated last month by Chairman Walsh that the commission would begin at Chicago an investigation of the relations of transportation companies to their employees and that later Pittsburgh would be visited. Perhaps more concrete and useful results may now be hoped for.

Western Water Freight leans, and Kansas City have already con- lar charge back from San Francisco to the structed good terminals, while smaller towns, interior point. The simple justification for like Davenport and Quincy, are building this practise, at first glance, so anomalous, comprehensive plans. As an effort toward meet the competition of water routes when the restoration of inland waterway transpor- shipments were made through to San Fran-St. Louis last month.

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CHAIRMAN FRANK P. WALSH OF THE INDUSTRIAL RELATIONS COMMISSION, WHICH HAS HELD HEARINGS IN NEW YORK AND CHICAGO

A New "Long On February 10, the Interstate Commerce Commission made a new decision in the so-called "Intermountain" rate question that appears to be very important, measured in policy. In In connection with the develop- direct financial results to the railroads the ment of Panama Canal traffic,— ruling is not of large consequence, affecting, a topic discussed in this magazine as it does, only certain specified commodities, by Miss Laut last month,-it is interesting This intermountain rate question concerned to note that one of the gulf ports, Galveston, the right of the transcontinental railroads was last year second only to New York in to charge a decidedly higher freight rate export and import tonnage. That the Mis- from, for instance, New York to Reno, Nesissippi Valley is alive to Panama trade op- vada, than from New York to San Franportunities is shown by the interest taken in cisco. The rate practise had been to make the building of standardized terminals for the charge from New York to Reno greater the handling of freight on the Missouri and than that for the longer haul from New York Mississippi rivers. Minneapolis, New Or- to San Francisco by the amount of the regushore works, and the city of St. Louis has was that the transcontinental road had to tation, a meeting for the purpose of organ-cisco, and rates were made to that point izing this terminal movement was held in which would secure the traffic for the railroad.

History of the In 1911 the Interstate Com- well have been expected to produce a better Intermountain merce Commission, having in the principle if such there is. previous year been empowered

by Congress to fix railroad rates, issued a ruling changing the practise described above. Theoretically it seemed, indeed, unjust that which gave a decision in their favor; but the building records. Supreme Court, in June, 1914, affirmed that the Commerce Commission was, under the Signs of Better Things scarcely hope for any boom in merce Act, within its rights.

tific theory and systematic harmony might for better things.

The passing of the dividend on The State of the common stock of the United States Steel Corporation came these intermountain points should be charged as a surprise to the financial community and rates decidedly higher than those for the caused some setback in the advance of semuch longer haul to the Pacific Coast. The curity prices on the American exchanges. Commission set to work to make a very elab- This, the greatest industrial corporation in orate arrangement of rates based on consider- the world, had in the last three months of ations of theoretical justice rather than of 1914 the worst financial quarter in its exbusiness expediency. Its ruling of 1911 di- istence. In the quarter just passed it was vided the country into five longitudinal zones, true, indeed, that a considerable deficit for the rate in each being based on a percentage the period was shown after paying dividends of the rates in the other zones. The net ef- even on the preferred shares. Many other fect of this new plan would have been to force evidences appear of a real depression in the roads, when they met water competition trade,—(1) record failures in business: (2) to Pacific Coast points, to reduce concordant- great numbers of people out of employment; ly the rates to intermountain points to figures (3) a sharp decline in bank clearings in spite which they considered unprofitable. The of high commodity prices; (4) the heavy deroads appealed to the Commerce Court, cline in railroad earnings, and (5) very low

trade amid the present unprecedented world conditions, there are some Water Competi- In the present ruling,—which, evidences of recovery from the worst of the technicalities aside, allows the depression. The United States is piling up railroads to reduce their rates to a favorable balance of trade at a rate of Pacific Coast points without at the same time something like \$150,000,000 a month. This making ruinous reductions to interior points, results from record exportations of wheat and -the Commerce Commission recognizes the cotton, with the wheat going at the highest new conditions imposed by competition with prices in history; from sales of other food the Panama route, as well as the alarming supplies and of clothing material to Europe general decrease in railroad revenues and the in great quantities at high prices, and from impairment of railroad credit. Although the exportations of ammunition, ordinance, and net addition to the revenues of the roads will other war materials and supplies, such as not be great, the decision has extreme im- horses, automobiles, motor trucks, aeroplanes, portance in the recognition by the Commis- and barb wire. In a period of reduced imsion of the necessity the railroads are under ports, this phenomenal movement could not to make their rates under some flexible system but give a huge balance of trade in our which will meet the business conditions con- favor. By the middle of February, some fronting them. Earlier the Commission had cheering news had come from the steel mills, apparently had in mind an attempt to make the great plant at Gary going into operation over the vast and intricate structure of tariff after many months of idleness. The large schedules on some theoretical principle of issue of bonds by the Pennsylvania Railroad evening up opportunities for every town in was immediately and heavily over-subscribed, the country. The movement is, indeed, some and the still larger issue of debentures by step in the direction of the much-maligned the New York Central was placed satisfacprinciple of charging what the traffic will torily. The banks of the country have come Many business men, and thoughtful into an exceptionally secure position, the Fedobservers generally, have been tending to- eral Reserve law is working so well that ward the belief that, after all, this principle no more banking panics such as we had in is the only practicable basic guide to rate 1893 and 1907 may be expected, and the making. It is recognized and used even by psychological factor in business has obviously the government-owned railroads of Germany changed for the better, so that merchants and and other European countries, where scien- manufacturers are now looking confidently

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A FRENCH CARD GAME INTERRUPTED BY A GERMAN AVIATOR: IN THE TRENCHES NEAR RHEIMS

RECORD OF EVENTS IN THE WAR

(From January 21 to February 17, 1915)

The Last Ten Days of January

January 21.-The United States replies to Germany's note regarding the status of United States consuls in Belgian territory occupied and controlled by Germans; the non-political status of consuls is recognized, and the United States does not question the right of Germany to suspend their exequators.

General von Falkenhayn, Chief of the German General Staff, relinquishes the office of Minister of War, and is succeded by Gen. Wild von Ho-

January 24.—A naval engagement is fought in the North Sea between powerful fleets of British or last-line troops. and German vessels of the battle crusier type supported by light cruisers and destroyers; the German armored cruiser Bluecher is sunk; the German fleet, outnumbered 5 to 4, retires and the British abandon the pursuit near German waters.

The United States Government (in an exhaustive letter from Secretary of State Bryan to offensive. Chairman Stone of the Foreign Relations Committee of the Senate) categorically denies twenty specific charges, made by German sympathizers, of discrimination against Germany and Austria in international situations arising out of the war.

Boer rebels under Maritz, numbering 1200, are repulsed after an attack on Upington, in Bechuanaland.

January 25.—A German dirigible balloon, of the Zeppelin or Parseval type, is destroyed by Russian gunfire during a bomb-dropping flight feating Turkish troops in the vicinity. over Libau, the Russian port on the Baltic Sea.

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La Bassee, southwest of Lille, in France, is the scene of German assaults in force upon the Brit- in the English Channel.

Prussia is begun, north of the scene of the re- Russian line lasting five weeks.

verses of August but with Koenigsberg again as the objective.

January 26.—The German Government orders the seizure, on February 1, of all stocks of corn, wheat, and flour, and forbids business transactions in these commodities; a Government distributing office will be established.

Premier Van der Linden informs the lower house of the Dutch parliament that Holland must maintain its entire army, as at any moment incidents are possible which may render necessary an appeal to arms.

An imperial decree (it is reported) is issued in Austria-Hungary, calling out the entire landsturm,

January 27.-British forces guarding the Suez Canal come in contact with the advance portion of a Turkish army invading Egypt from the east.

January 28.-Russia reports that the Turkish armies in the Caucasus have resumed their

January 29.-A German attack, with heavy reinforcements, results in a considerable advance in the Argonne Forest, northwest of Verdun, in

January 30.-The torpedoing of three British merchant steamships in the Irish Sea, by a German submarine, indicates an attempt to follow the suggestion of Admiral von Tirpitz and cut off England's food supply.

Russian forces occupy Tabriz, Persia, after de-

January 31.-Two British steamers are torpedoed in a second raid by German submarines,

German forces directed at Warsaw make de-A new Russian offensive movement in East cided gains at Borjimow, after attacks on the

The First Week of February

February 2.-A German-American named Werner Van Horn makes an unsuccessful attempt to blow up with dynamite the bridge across the St. Croix River, connecting the Canadian Pacific and Maine Central Railroads.

Great Britain decides to seize grain and flour \$7,210,000 a day. shipments to Germany, even if intended for non-combatants, because of the German Government's in the face of heavy German reinforcements, of

February 3.-The British Ambassador at Washington formally requests the extradition of Van Horn, who attempted to destroy the international bomb-dropping raid upon Belgian coast towns railroad bridge at Vanceboro, Me.; Van Horn appeals to the German Ambassador, claiming immunity as a German officer who has committed merely an act of war and escaped from the enemy. of absinthe.

Turkish force attempts to cross the Suez

on land and from warships.

February 4.—Germany declares the waters Large numbers of Albanians cross the border around Great Britain and Ireland to be a war into southern Servia, occupying several towns and zone, after February 18, and announces that it forcing Servian troops to retire. will destroy every enemy merchant ship found; neutral ships are also warned of hazards and danger.

February 5 .- Russian reports declare that fighting at Borjimow, west of Warsaw, is the hardest and bloodiest of the war.

February' 6.- The translantic liner Lusitania (British-owned) passes through the war zone and enters Liverpool harbor flying the American flag as a protection against German submarine attack.

Turkey complies with the Italian demands relating to the Hodeida incident, surrendering the British consul who had been arrested, and saluting the Italian flag.

The Second Week of February

House of Commons that the British casualties in the western war zone, up to February 4, were 104,000 killed, wounded, and missing.

The Austro-Hungarian forces in Bukowina, civil population of Germany. supplemented by more than 100,000 Germans compel the Russians to draw their lines closer and the Wilhelmina, an American ship destined for a evacuate a large portion of the province.

An official Austrian report declares that the Russians have been defeated in a battle for the bor for safety during stormy weather.

possession of Dukla Pass, in the Carpathians.

The Turkish cruiser Midirli (formerly the German cruiser Breslau) fires upon the Russian port of Yalta, on the Black Sea; Russian warships retaliate by bombarding Trezbizond, a Turkish Poland.

February 9.—The Russian Duma holds its first Russians out of Bukowina. session since August 9.

February 10.-The United States Government sends notes to Germany and Great Britain relative to American shipping in the war zone; Germany is advised that it would be a serious and unprecedented breach in the rules of naval warfare if a merchant vessel should be destroyed without first certainly determining its belligerent nationality or the contraband character of its cargo; Great Britain is warned of the serious consequences that may result to American vessels and citizens if the practise of using the American flag on British vessels is continued generally.

The British House of Commons unanimously adopts the army estimates for 3,000,000 men, voting unlimited funds to the Government.

February 11.-The Russian Duma is informed that the war cost Russia, for the five months from August to the end of the year, \$1,555,300,000, or

announced intention to confiscate and regulate the distribution of those commodities. the Russian army invading East Prussia; Germany declares that 26,000 Russians were taken

used as strategical centers by the Germans.

The French Chamber of Deputies adopts and sends to the Senate a measure prohibiting the sale

February 13.-President Poincaré signs a meas-Canal, north of Suez, but is repulsed by defense ure authorizing an issue of \$200,000,000 national defense bonds.

The Third Week of February

Febuary 15 .- Holland sends notes to Germany and Great Britain, regarding neutral shipping and the use of neutral flags, which are similar in argument to those of the United States.

A report of the war relief commission of the Rockefeller Foundation states that 20 per cent. of the 7,000,000 people of Belgium are unable to pay

for their bread.

Figures made public at Washington show that American exports of war materials during the last four months of 1914 amounted to \$49,466,092, or more than four times the figures for the same period in the previous year.

February 16.-In a communication transmitted February 8.—Premier Asquith informs the through the American Ambassador at London, Germany offers to withdraw from her intention to war against British merchant vesels if Great Britain will permit the free movement of foodstuffs to the

> Great Britain seizes and places a guard upon German port with a cargo of wheat for civilian consumption; the ship had entered Falmouth har-

A Servian report declares that the Albanian invaders have been driven back across the frontier. Germany announces the reoccupation, after a short engagement, of Bielsk and Plock, in Russian

Austria reports continued progress in forcing the

British and French aeroplanes and hydroplanes, forty machines in all, carry out a second bombdropping attack upon the German positions along the Belgian coast.

February 17.-Great Britain's second and more complete reply to the American protest against undue interference with American shipping is made public at Washington; it claims a desire and effort to be as lenient as possible with neutral shipping.

Germany declares that more than 50,000 Russians were captured during the recent retreat

from East Prussia.

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MAKING OUT LISTS OF THE LOST AND THE WOUNDED, THE NUMBERS INDICATING THE DESKS ASSIGNED TO THE VARIOUS REGIMENTS



Photographs by Medem Photo Service

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CARD-INDEXING THE PRISONERS ACCORDING TO NATIONALITY—A COLOSSAL TASK, TO JUDGE FROM THE ENORMOUS FIGURES GIVEN IN THE REPORTS

KEEPING SYSTEMATIC RECORD OF THE WOUNDED AND THE PRISONERS IN GERMANY

RECORD OF OTHER EVENTS

(From January 21 to February 17, 1915)

PROCEEDINGS IN CONGRESS

January 22.—In the Senate, the Committee on Military Affairs favorably reports measures reorganizing the militia and authorizing the enlistment of 20,000 additional men in the regular army.

The House adopts the Army appropriation bill (\$101,000,000).

January 23.—The Senate Democrats, in caucus, amend the Ship Purchase bill and bind themselves to support it.

January 25.—In the Senate, Mr. Root (Rep., N. Y.) for the second time warns against international complications which may be brought on by the enactment of the Ship Purchase bill. . . . In the House, the Pension appropriation bill (\$165,000,000) is reported from committee.

January 28.—In the Senate, Mr. Walsh (Dem., Mont.) defends the Administration's Ship Purchase bill in its international bearings.

January 30.—The Senate adjourns at midnight, after being continuously in session for thirty-seven hours, Republican members maintaining a filibuster to defeat the Ship Purchase bill. . . . In the House, Mr. Mann (Rep., Ill.) forces from the Naval appropriation bill, by a parliamentary objection, the provision for the establishment of a Naval Staff.

Febuary 1.—In the Senate, a revolt of seven Democratic members (who demand amendments which would avoid foreign complications) imperils the Administration's Ship Purchase measure.

February 2.—In the Senate, the Philippines bill is reported from committee, with a recommendation for its immediate passage.

February 3.—In the Senate, the Administration leaders resort to filibustering methods to delay a vote on the Ship Purchase bill, pending the arrival of two absent Democrats and efforts to win over progressive Republicans and recalcitrant Democrats.

February 4.—The House fails to pass the Immigration bill, by the required two-thirds majority, over the President's veto; 261 members vote for the measure and 136 against it.

February 5.—The House passes the Naval appropriation bill (\$114,650,000), retaining the provision for two new battleships but providing for only eleven submarines.

February 8.—In the Senate, the arrival of the two Democratic members who had been absent balances the opposing forces, 48 to 48; the Republicans and insurrent Democrats resume their filibuster to prevent the passage of the Administration's Ship Purchase bill through the deciding vote of the Vice-President.

February 8-10.—The Senate sits in continuous session, dead-locked over the Shipping bill; an adjournment is taken after 52 hours and 10 minutes (a record session), when two progressive Republicans who have supported the measure announce that they will no longer permit it to block other important legislation.

February 13.—The Senate Democrats, in caucus (seven insurgents not being present) agree to press the passage of a special rule limiting debate; meanwhile efforts to pass a ship-purchase measure have been shifted to the House.

February 15.—The House, by vote of 232 to 44, passes a bill offered by Mr. Palmer (Dem., Pa.) prohibiting the interstate shipment of products made by child labor; at a caucus of Democratic members, it is agreed to support a compromise ship-purchase bill.

February 16.—The House adopts a special rule limiting debate to six hours, and passes by vote of 215 to 122 an Administration measure providing for government ownership and operation of merchant ships; 19 Democrats vote with the Republicans against it; the measure takes the form of an amendment to the Weeks naval auxiliary bill which has passed the Senate.

bill in its international bearings. February 17.—In the Senate, the Shipping bill January 30.—The Senate adjourns at midnight, as adopted in the House proves unacceptable to after being continuously in session for thirty-seven the three progressive Republicans whose support hours. Republican members maintaining a filibus—was needed to pass the measure.

AMERICAN POLITICS AND GOVERNMENT

January 25.—The United States Supreme Court, in a divided opinion, declares unconstitutional the Kansas statute which prohibited an employer from requiring that an employee should not be a member of a labor union.

January 25-26.—John D. Rockefeller, Jr., explains to the Industrial Relations Commission his own and his father's relations with certain large corporations and with philanthropic organizations which they have endowed.

January 26.—The West Virginia legislature votes by large majorities to submit a woman-suffrage amendment at the 1916 election.

January 28.—President Wilson vetoes the Immigration bill, disapproving of the literacy test and the restrictions which would tend to shut the door to political refugees.

January 29.—The Tennessee House adopts a provision, previously passed by the Senate, for a referendum vote on woman suffrage; passage through the next legislature is necessary.

January 30.—The South Dakota Senate passes a bill, already adopted in the House, abolishing the death penalty.

February 1.—The New Jersey House unanimously adopts, on its second passage through the legislature, the resolution submitting a womansuffrage amendment to the voters.

on's Ship Purchase bill through the deciding vote the Vice-President.

February 8-10.—The Senate sits in continuous returns indictments against many labor leaders.

February 3.—The New York Assembly unanimously adopts, on its second passage, a resolution submitting a woman-suffrage amendment to the voters. . . President Wilson addresses the United States Chamber of Commerce, in session at Washington, suggesting amendments to the Anti-Trust

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Janu ter of law which would permit American business men to combine for the promotion of foreign trade.

February 4.-At a caucus of Democratic Representatives of the Sixty-fourth Congress, held in Washington, Champ Clark, of Missouri, is renominated as Speaker and Claude W. Kitchin, of North Carolina, is named as floor leader. . . . The New York Senate unanimously approves the womansuffrage amendment passed by the House; the Massachusetts Senate adopts a woman-suffrage measure on its second passage through the legislature; the North Carolina House rejects a womansuffrage amendment.

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February 5.—The Arkansas Senate, following affirmative action in the House, passes a statewide prohibition measure, to take effect January 1, 1916; the House adopts a woman-suffrage amendment previously passed in the Senate; submission to the voters will necessarily be delayed two years.
. . . John D. Rockefeller, Sr., and Andrew Carnegie appear before the Industrial Relations Commission, at the hearings in New York, and testify regarding the philanthropic foundations which they have established.

February 6.-Governor Hays signs the prohibition bill passed by the Arkansas legislature.

February 9.-The Pennsylvania House adopts a measure, on its second passage through the legislature, submitting a woman-suffrage amendment to the voters.

February 10.-The Alabama legislature passes, over the Governor's veto, a bill prohibiting the publication or circulation within the State of news- @ Pach Bros., New York papers carrying liquor advertisements, and prohibiting circular and billboard advertising of liquor.

February 11.-The Interstate Commerce Commission, recognizing new conditions confronting transcontinental railroads by the opening of the Panama Canal, reverses an earlier ruling and permits railroads to fix lower rates for through traffic to the Pacific Coast than to intermountain points.

February 12.-The Iowa Senate adopts statewide-prohibition and equal-suffrage amendments, and votes to bring about statutory prohibition by repealing the so-called Mulct Law.

February 13.—The Interstate Commerce Commission rules that under the Panama Canal Act the Southern Pacific Railroad cannot retain ownership of the Pacific Mail Steamship Company so long as the steamship company maintains a service Aguascalientes. through the Canal; railroads will be permitted to operate water lines unless actual competition is thereby prevented.

February 16.-The Massachusetts House and the New Jersey Senate adopt woman-suffrage amendments, completing legislative action, to be submitted to the voters in the fall.

FOREIGN POLITICS AND GOVERNMENT

form a non-partisan cabinet.

January 27.—Provisional President Garza abandons Mexico City with his government and military forces, upon the approach of General Obregon, the Carranza leader.

January 29.—The Peruvian ministry resigns. January 30.—Lu Cheng-Hsiang becomes Minis-ter of Foreign Affairs in China. States, China, and Holland sign at The Hague the protocol of the anti-opium convention of 1912.



JAMES CREELMAN

(Mr. Creelman began his journalistic career at the age of twelve, in a printer's shop. He became a reporter on a New York City newspaper, and attracted attention by enterprise and daring. In later years he won fame as an interviewer, as war correspondent, and as newspaper and magazine editor. He died "in harness" last month, at Berlin, in his fifty-sixth year)

February 1.-It is learned that Gen. Jesus Carranza, a brother of one of the Provisional Presidents of Mexico, has been executed by General Santibanez, who has been leading a revolt on the Isthmus of Tehuantepec.

February 3.—General Villa assumed the executive power in northern Mexico, and appoints a cabinet of three members, with headquarters at

INTERNATIONAL RELATIONS

January 26.—It is reported in Peking that Japan has made demands upon China relating to concessions to foreigners, including the transfer to Japan of all German and Austrian concessions, and a pledge that China shall not in the future grant concessions to any nation except Japan.

February 10.—General Carranza, one of the fac-January 25.—The Coutinho ministry in Portugal tional Presidents of Mexico, orders the Spanish resigns, and Gen. Pimenta Castro is selected to minister to leave the country within twenty-four hours, because of alleged refuge given to a Spanish subject accused of aiding Villa.

February 11.-Conferences between representatives of Japan and China, at Peking, are suspended or terminated; the Chinese Government maintains that Japan is exceeding its rights.

February 12.-Representatives of the United protocol of the anti-opium convention of 1912.

OTHER OCCURRENCES OF THE MONTH

January 21.-A boiler explosion on the United States armored cruiser San Diego, off the Pacific coast of Mexico, causes the death of six sailors.

January 25.—Transcontinental telephone commuunication becomes a reality, due to improvements in wires and apparatus; in the first conversation across the continent, Alexander Graham Bell (inventor of the original telephone), in New York, talks with Thomas W. Watson, his assistant, in San Francisco.

January 26.-The steamship Washingtonian, one

of the largest freighters flying the American flag, with a cargo of raw sugar from Honolulu, Hawaii, and the large schooner Elizabeth Palmer are sunk after a collision near the Delaware Breakwater.

January 31.—The Jap-anese cruiser Asama runs aground on the coast of Lower California, and is believed to be a total wreck.

February 7.—The Lackawanna Railroad successfully tests a system of communicating by wireless telephone from a moving train to a station.

February 10. - Earthquake, hurricane, and tidal wave cause great destruction of property on Manua Islands, in the American Samoan group. . . . The price of bread in New York City is raised from five to six cents a loaf, because of the high cost of

February 11.-It is Photograph by American Press Association, New York learned that 24,200 persons were killed in the recent Italian earthquake; at Avezzano 96 per cent. of the population lost their lives. . . . Father Wlodimir Ledochowski, a Russian Pole,



FANNY CROSBY, THE HYMN WRITER

(Although afflicted with blindness almost from her birth, Miss Crosby became one of America's most famous women. Moved by a deep religious feeling, she began in middle life to exercise her wonderful poetic talent in the writing of hymns, many of which have attained universal popularity. She died in her Connecticut home last month, in her ninety-fifth year)

OBITUARY

January 21.-Fanny M. Reed, formerly a noted soprano singer, 79.

January 22.-Anna Bartlett Warner ("Amy Lothrop"), author of many novels, 84. Howard M. Hamill, president of the International Sunday School Association and a noted Confederate veteran, 65. . David H. Goodell, former Governor of New Hampshire, 80.

January 23.—George James Bryan, the noted anthologist and publisher, 63.

January 24 .- Dr. Benjamin Sharp, zoologist and explorer, 56.

January 27 .- Dr. James H. Parker, a prominent New York banker and cotton dealer, 72.

January 29.-Cyrus Fogg Brackett, professor emeritus of physics at Princeton University, 82.

January 31 .- Dr. Louis A. Rodenstein, a prominent New York surgeon. . . . Leon Revillon, the New York fur merchant.

February 2.- John Patterson Grant, a prominent Richmond banker, 84.

February 3.-Alban Jasper Connant, noted for his oil portraits of Lincoln, 94.

February 4.-Dr. Franz Adickes, former Mayor

of Frankfurt, Germany, and founder of the University of Frankfurt, 68. . . Mary Elizabeth Braddon, the noted English novelist, 78.

February 7 .- John Jasper, formerly Superintendent of Schools in New York City, 77. . Ex-Judge Oliver H. Horton, of Chicago, a prominent lay member of the Methodist Church,

February 8 .- James C. Fargo, former president of the American Express Company, 86. . . . Charles Stewart Vane-Tempest-Stewart, Marquis of Londonderry, Irish landowner and noted opponent of Home Rule, 62. . . . Sir Francis Xavier Langelier, Lieutenant-Governor of Quebec, 76.

February 9.-Norman Bruce Ream, financier and organizer of industrial corporations, 70. . Nicholas Williams McIvor, former Consul General and Judge of the United States Court, at Yokohama, 55.

February 10. - Pembroke D. Gwaltney, of Virginia, known as the "peanut king," 78.

February 11. - John Williams, Langbourne

is elected to the Generalship of the Society of Jesus. the Richmond banker, philanthropist, and philosopher, 83.... Samuel T. Pickard, biographer and literary executor of Whittier, 82.

February 12.-Fanny Crosby, the famous blind hymn writer, 94. . . . James Creelman, the noted American journalist, 55.

February 14.-Prof. James Irving Manatt, head of the Greek department at Brown University, and former United States Consul at Athens, 70.

February 15 .- Rev. Dr. George Washburn, for many years president of Robert College at Constantinople, 82. . . . Simon Brentano, the noted bookseller and publisher, of New York, 56.

February 17 .- Brig. Gen. Greenleaf A. Goodale, U. S. A., retired, 75.

CARTOONS—MOSTLY ON FOOD, SHIPPING, AND NEUTRALITY



@ By John T. McCutcheon

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WILL THERE BE ENOUGH BREAD TO GO AROUND?
From the Tribune (Chicago)

T HE question of the food supply of the only to the warring nations, but to other world has become a pressing one, not countries as well. Wheat has risen in price, and the cost of bread per loaf has accord-



RECORD YEARS FOR BOTH WHEAT CROPS AND THE PRICE OF BREAD

From the Eagle (Brooklyn)

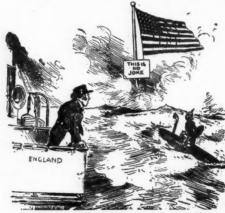


COTTON IS WAKING UP!
(See article on page 338 of this issue)
From the Journal (Minneapolis)

287



JOHN BULL USES THE AMERICAN FLAG FOR PROTECTION From the American (New York)



A WORD TO THE WISE IS SUFFICIENT From the Record (Philadelphia)



THE WAKE OF THE WILHELMINA From the, Post-Intelligencer (Seattle)



Uncle Sam (handing his notes of protest to both England and Germany): "Now gentlemen!"

From the Evening News (Newark)

Proposed plans for drastic measures and retaliatory action as between the belligerents, last month, threatened international complications. Germany declared a war zone about England, dangerous to neutral ships, and England responded with a threat to blockade Germany. The English, also, used the American flag on their vessels for protection against German submarines. The situation resulted in a vigorous protest from the United States to England and Germany.



GERMANY PREPARING FOR A SIEGE From the Tribune (South Bend, Indiana)

CARTOONS-MOSTLY ON FOOD, SHIPPING, AND NEUTRALITY 289



O John T. McCutcheon

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UNCLE SAM'S DIFFICULT TASK From the Tribune (Chicago)

Uncle Sam's task as a neutral is not a particularly easy one. With complaints from one side that we are selling munitions of war to the other, and with the pernicious internal activity of the "hyphenated" American, Uncle Sam's clear course is to keep his "square deal store" open to the world on a basis of absolute impartiality, and, waving aside the national airs of the belligerents, stick to his own good tune, "Yankee Doodle."



IT WAS A REGULAR 42-CENTIMETER REPLY (-Was Mr. Bryan's letter in answer to German criticisms of American shipments to European belligerents) From the Record (Philadelphia)



THE BELLIGERENTS: "THIS THE ONLY NEUTRAL TUNE, UNCLE" From the Record (Philadelphia)

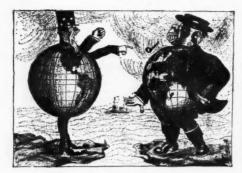


TRYING TO PUSH THE UNITED STATES INTO THE EUROPEAN WAR

From the World (New York) March-3



UNCLE SAM'S POSITION AS A SHOP-KEEPER From the Tribune (Los Angeles)



AN EARNEST WORD TO JOHN BULL From Kikeriki (Vienna)



CURFEW SHALL NOT RING TO-NIGHT (—"Curfew" being the ship purchase bill in Congress, the determined opposition coming from the filibustering Republican Senators) From the Times (Detroit)



From the Plain Dealer (Cleveland)



THE UNITED STATES PROTESTS TO ENGLAND PRESIDENT WILSON: "This impudent searching of my ships-1 shall soon get tired of it!" From Kikeriki (Vienna)

The two cartoons above refer to the American protest to England on the subject of the detention of American ships.



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BON VOYAGE FOR ITALY-A GERMAN VIEW John Bull (seeing Uncle Sam at the ship shop):
"Blawst it, wot's 'ee loafin' around 'ere for? 'E's no sailor"

Salandra [Italian Premier] is undoubtedly an excellent skipper, but even the best captains take a good pilot [von Bülow] aboard in difficult waters From Lustige Blätter @ (Berlin)

A REVIVAL IN AMERICAN SHIPBUILDING

working to capacity throughout the year and merchant craft. the American merchant marine will have the largest addition to its tonnage in history.

Two factors enter into this remarkable requiring larger crews.

AMERICA'S OPPORTUNITY

been sunk by commerce destrovers, the regu- load.

forces formerly engaged in shipbuilding by prompt in settling its accounts. being called to military duty.

HE year 1914 was one of the poorest Most of the vessels for which orders have for the American shipbuilder. The year been placed are of good size, ranging from 1915 promises to be one of unprecedented 6000 to 9500 tons net registry. While the activity. In the first thirty-six days of the majority are designed as additions to the fleets present year, orders for forty-eight ocean ves- of established American lines such as the sels were booked and among the lot was a Munson, American-Hawaiian, Porto Rico, contract for the building of two ships for Grace, Ocean, etc., some are intended for British owners. The head of one of the large transatlantic service in competition with the shipyards announces that he has closed enough cargo boats that have had command of this business to keep 6000 men engaged for from trade for many years. In gross tonnage the two to three years. Plans have been drawn forty-eight vessels contracted for represent and prices asked on sixty more ocean vessels, probably as much if not more than the total Apparently every American shipyard will be average for one full year in recent times in

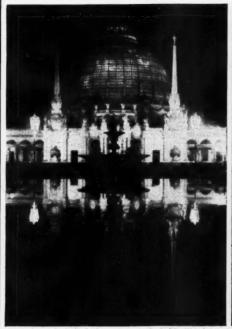
THE NEED FOR SHIPS

Nothing is more erratic or subject to more vival,-first, the European war and, second, violent change than ocean rates. A period of the Panama Canal. The struggle abroad high freights and pronounced activity in sea has progressed far enough for American ship- commerce has followed former wars. The ping men to appreciate its effects upon the American shipping men see, added to what ocean carrying trade. Hitherto the American usually follows war, a tremendous trade for has labored under serious handicaps. It costs them from the Panama Canal and the openmore to build a ship in an American than in ing of all South America to American busia European yard. Wages here are higher, ness. A few illustrations would serve to sup-Labor represents the largest single item in the port their belief. One of the leading conbuilding of a ship. It costs more, too, to cerns in Chile has been negotiating for operate a vessel under the American flag than 1,500,000 tons of coal to be delivered 300,000 under that of any other nation, our laws re- a year for the next five years. To transport this amount of coal to Chile would require a fleet of about ten vessels. Heretofore, Chile has obtained its coal from Australia.

The war, it is believed, will bring a re- The financial depression from which Aradjustment that will wipe out these differ- gentina, Brazil, and Paraguay suffered is re-Through the hundreds of thousands ported to be nearly over so far as Argentina of men killed and the millions wounded, it is and Paraguay are concerned, owing to the expected there will be so great a scarcity of high prices obtained for South American labor in Europe when the war ends that wheat, corn, hides, beef, and other products. wages will be increased to a level never A report to the National City Bank from its reached there before, and the heavy taxation representative at Buenos Aires is most opimposed on all industries to pay the war timistic. He pictures the need of goods in debts will raise the costs of products to a that country as urgent and large. One item decided degree. Added to all this is the fact he specified was, that of window glass alone that while hundreds of merchant craft have there would be ready sale for a whole ship-

lar output of European shipyards has ceased. More important than anything else in his There is one more thing of which time report was the statement that South America alone can measure the importance. That is is getting away from its insistence on long the depletion and disorganization of the credits and hereafter will be reasonably

R. S.





THE PALACE OF HORTICULTURE, REFLECTED IN

THE WEST LAGOON OF THE SOUTH GARDENS

A VIEW OF THE TOWER OF JEWELS ACROSS THE
SUNKEN POOL OF THE NORTH APPROACH



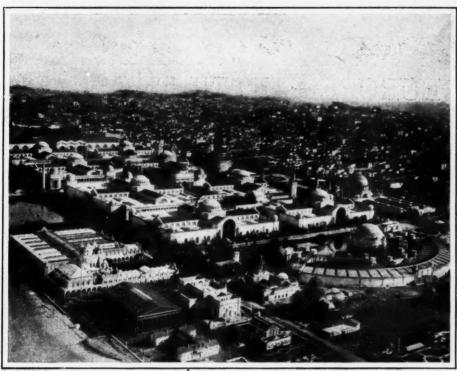
THE FACADES OF THE PALACES OF MINES AND TRANSPORTATION



THE TOWER OF JEWELS, THE DOMINATING FEATURES OF THE EXPOSITION

an

THE MAGNIFICENCE OF THE PANAMA-PACIFIC INTERNATIONAL EXPOSITION AT NIGHT



© Gabriel Moulin,

THE PANAMA-PACIFIC INTERNATIONAL EXPOSITION AS SEEN FROM AN AEROPLANE

OPENING OF THE PANAMA-PACIFIC EXPOSITION

BY CHARLES C. MOORE

(President of the Exposition)

FOUR years ago California accepted at the hands of the Congress of the United States, the responsibility of becoming the hostess State of the nation for the nation's celebration of the completion of the Panama Canal.

She has given to the performance of that duty her utmost energy and earnestness. More than twenty million dollars have been contributed to the work of preparing a place where the achievements of all nations could be shown in a great Exposition. The nations have responded to a degree never before equaled, and our own nation, by its separate States and by its individual manufacturers and producers, has demonstrated its appreciation of the commercial importance of the great project.

To-day our work stands complete. When this appears the Exposition will have opened, —on February 20,—the date scheduled three years ago. World events unforeseen when this date was fixed have not altered the original plan, nor will they affect, except perhaps to enhance, the importance or the success of the project.

To the nation's great celebration, California invites the world.

EUROPE—AFTER THE WAR

A BALKAN STATESMAN'S PREDICTIONS AS TO THE WAR'S DURATION AND THE ADJUSTMENTS THAT WILL FOLLOW

BY DR. IVAN YOVITCHÉVITCH

(Secretary-General of the Council of State of Montenegro)

[Under the title "Three, Balkan Craters," we published in our issue for last August a most significant statement from the pen of a high official of Montenegro. Last month there came to us from Cettinje, by way of the Italian postal service in Albania, the remarkable survey of the war situation and its probable outcome that we present herewith. Dr. Yovitchévitch is a statesman of high accomplishment and wide acquaintance. In a private letter he sets forth the fact that the Montenegrin people are in great distress through food shortage and poverty as the result of a series of wars, and asks if it may not be possible for Americans to give some share of their relief to his people. His appeal is worthy of response. Who will help the Montenegrins?-THE EDITOR.]

twentieth century is not an age of prophets.

forth and inflame all Europe. I would be tury civilization.

Alas, my prophecy was fulfilled and the "second Balkan crater,"—that is to say,—the "Gontinue?" ill feeling between Servia and Austria eventtheir path. In the light of these horrible victors? disasters one is obliged to conclude that there Europe; it is this that has covered the twen-hostilities. tieth century with shame.

N an authorized interview for the ties that the whole world was stupefied AMERICAN REVIEW OF REVIEWS, last and dumfounded. They burned towns and summer. I ventured to predict that war was villages, massacring on their way men, imminent in Europe, and that the principal women, and children. The Austrian armies causes of war lay smouldering in the Balkans, did the same thing in the countries that they which I had pictured as a slumbering vol- occupied for a time; of this the poor Serb cano with three craters. My boldness in nation knows something. The armies of the predicting the future appeared most pre- other belligerents will do identically the same sumptuous, perhaps the more so since the as soon as they arrive in the countries inhabited by the German race. Europe is, then, Yet from my thorough knowledge of the a hell, and its inhabitants are devils who situation in the Balkans I was practically kill one another like the lowest savages, to certain that one of the craters would burst the everlasting shame of our twentieth-cen-

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The duration of this war is a matter of ually cast the spark that set Europe on fire; worldwide concern. May I be permitted to and for many months the horrors of war express my opinion that the contest must have increased at a frightful rate, the num- continue for a long time and for this reaber of the dead, the maimed, the widows son: A half-year has passed since the beand orphans receiving a daily increment, ginning of hostilities and the belligerents Ancient monuments lie in ruins; entire coun- are at about the same point that they were tries are ravaged by fire, and the armies, at the outset, so far as victory is concerned. mad with blood lust, have become such sav- It is true that the losses are enormous, but ages that they respect nothing that lies in who are the vanquished and who are the

It is indisputable that this question reis but little difference between the warriors mains unanswered up to this moment, and of to-day and the barbarian hordes of the each belligerent is still animated with the Huns, who, under the leadership of their firm resolve to conquer, and with the same chief, Attila, sacked a part of southern hope that was cherished in the first days of The second reason that makes me believe that this deplorable situation must Sad and impressive instances are the evil last a long time is this: The two great. deeds of the German armies that hurled giants, worthy combatants one of the other, themselves like a plague upon unhappy Bel- for their strength, intrepidity and tactics, the gium. These armies committed such atroci- Russian and the German, who are the preponderant factors in this monstrous struggle, battles, but only by the complete exhaustion do not seem to want to engage in a decisive of one of the parties, and as Germany and combat. They are like two wrestlers who Austria-Hungary are comparatively in a state are afraid of each other and delay taking of blockade, one can say without fear of being the hazard of a grapple; each, circling his ad-mistaken that these two powers will be the versary, hopes to conquer him when his more quickly exhausted; their adversaries strength is exhausted.

ists, the Russian and the German, employ the of view. tactics of two fear-struck wrestlers, it goes in their economic and physical strength and and Austria-Hungary. in the matter of their morale.

It appears incontestable that the horrors of this war, which are without parallel, will unfortunate people must endure more suffer- thus: ing and atrocities without number.

How Will the Terrible Struggle End?

The second question, not less interesting, is to know how this European war will end. When the hostilities began it was extremely difficult to give an opinion on either side, but are on the side of Russia and her allies. One as a part of Asia Minor. can say that the German plan has failed. and crush her completely before the concen- Luxemburg. tration of the Russian armies could be accomplished, and then, thanks to her network Servia and Montenegro will receive as a reof railroads, transport the German troops to ward for a struggle not less stoical, the two the Russian frontier and defeat the armies of Austrian provinces peopled by the Serb race. the Czar before their complete mobilization resistance of the Belgians and on the other gary inhabited by Italians. the quick mobilization of the Russians caused large part of her forces to East Prussia, which ince peopled largely by Rumanians. General Rennenkampf had penetrated with haps the whole French army.

touch with Bulgaria and Turkey, she would pendent people. force Rumania to join the two other states whatever of succeeding in the future.

war cannot be brought to an end by decisive and my predictions for the future.

being masters of the sea, they can without When these two big European antagon-doubt resist longer from an economic point

To conclude, then, we can say with cerwithout saying that the European war will tainty that the Russians and their allies have continue for a considerable period, granting the best of it, and that this terrible struggle that the two antagonists are equally matched will end in the complete defeat of Germany

The Probable Consequences

And what will be the result? The outcontinue for a lengthy period, and that the come of the present war may be conceived

First: Russia will expand at the expense of Austria-Hungary, will annex Galicia, and will demand from Turkey the occupation of Constantinople and a part of Asia Minor.

Second: France will regain her two former provinces of Alsace and Lorraine.

Third: England will be benefited by gainone can say now that the chances of victory ing possession of the German colonies, as well

Fourth: Belgium will receive as recom-This plan was to fall suddenly upon France pense for her stoic resistance the Duchy of

> Fifth: The two kindred kingdoms of

Sixth: Italy as a reward for her neutrality could be effected. But on one side the heroic would receive the provinces of Austria-Hun-

Seventh: Rumania for the same reason Germany to change her plans and transport a would receive Bukovina, an Austrian prov-

As to Turkey, which has been dragged into a Russian army. That saved Paris and per- the war by German political intrigue, she will be erased from the map as an independent Austria-Hungary on her side was per- country. It will be the same with Albania; suaded that Servia and Montenegro would be for her inhabitants, who are in a state of persubdued in a short time and that, once in petual anarchy, cannot long exist as an inde-

This, then, is my view of the conditions against Russia. However, the heroic resist- that will be imposed upon the conquered. ance of the Serbs and the Montenegrins as- Perhaps changes may be even greater; for tonished the whole world, and because of the it is possible that Austria-Hungary, like Turthree above-mentioned facts, the plans of key, may cease to exist as an independent Germany and Austria-Hungary could not be empire. Nor is it inconceivable that certain carried out. And this plan having failed at provinces might be snatched from Gerthe beginning of the war it has no chance many, as for example German Poland. But here you have in a few words my opinion of Therefore it appears that the European the actual situation now existing in Europe,

THE WAR'S NEW ALIGNMENTS

BY FRANK H. SIMONDS

I. NEW HORIZONS

ary was for Germany the most brilliantly successful month since October, when she blockade. took Antwerp and approached the very walls Bluecher gave Berlin cause for regret.

Yet the solid and splendid triumphs of neutral rights seemed to emphasize how serious for Germany had become the question advantage of sea power possessed by her most for the foe even at the expense of neutrals. relentless and most hated enemy, England.

the formality of search.

To her fees such a declaration could had become enormous, only mean that Germany foresaw the coming bargo on food supplies, and her only weapon ations East and West has been reviewed.

was the submarine, by which she might hope to intercept food ships bound for Britain and 7IEWED from the military side, Febru- by compelling the English to suffer from food shortage force the abolition of the food

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As to English ships, Admiral von Tirpitz of Warsaw. Eastward her victories over the had, in January, frankly proclaimed a policy Russians were as complete in Bukovina as in of submarine aggression which contemplated East Prussia, and her armies brought new life sinking ships and crews and thus conduct a to Austro-Hungarian efforts in the Carpa- reign of terror on the high seas. In February thians. Only the defeat of a naval raid di- the campaign opened, not by sinking crew rected at the British coast and the loss of the and ships, but by torpedoing several ships at the very mouth of the Mersey and setting their crews ashore. Such a course must and German arms had for the world less meaning did provoke unfavorable criticism among the than the official declarations which by their neutrals, but to extend this policy to neutral very defiance of international practise and ships was to open new horizons, was a frank confession that the German campaign to win sympathy abroad had given way to a stern of her food supply and how terrible was the necessity to make war as terrible as possible

This policy, too, was of utmost interest to Napoleon, having conquered at Austerlitz Americans, because it was, after all, aimed and Jena and become temporarily master of chiefly at American ships, likely to be the Europe, had sought to crush British com- bearers of supplies to the British Islands. merce by his famous Berlin and Milan de- What Germany actually sought was not to crees, the first of which proclaimed that the shut off American ships from England, but British Isles were in a state of blockade; by threat to compel Americans to urge Great the second declared that any ship which Britain to remove its embargo on food for touched a British port was liable to be seized Germany, carried in neutral bottoms, and. and treated as a prize. Germany, still hold- if this request were refused, to prohibit the ing Belgium, Northern France, Western Po- shipping of arms and supplies to the Allies. land, in February struck at England with By this time the campaign of German-Amerthe proclamation that the waters about the icans to have the American Congress pro-British Islands were a war zone in which hibit the exportation of arms and ammunineutral ships would be exposed to attack and tion to belligerents had failed, and the quandestruction by German submarines without tity of ammunition flowing from the United States to the allies, and particularly England,

A discussion of the American policy as reof a time when her own food supplies would vealed in the note to Germany and the simi-This view was further confirmed by an lar note to Great Britain, evoked by the use earlier official decree which placed all grain of the American flag by British passenger supplies in Germany under the control of the steamships, is outside the field of this review. government. Taken together these two acts But the condition of the German mind and were accepted as confession that Germany the causes for the German action are of obfeared defeat by starvation unless she could vious pertinence, supply the salient detail of break the iron ring about her. To do this the war in February, and these will be disshe must compel the British to raise the em- cussed briefly after the progress of the oper-

EAST

world reason to believe that a collapse of face of the conflict. While Russian armies again passed the central and eastern Carpa-Russian side and receive Bukovina as a political ends had succeeded. bribe and Transylvania as a reward for participation.

set to protect Hungary, grown impatient through disaster and anxious because of impending attack from Servia, from Galicia and Bukovina, and because of the possibility of Rumanian hostility. The resignation of Berchtold and the selection of Burian were evidences that within the Empire Hungarian apprehensions were recognized. The visit of Count Tisza to the Kaiser was a sign that

Germany had been warned.

This warning Germany received with all possible attention and acted upon with amazing promptness. Thus in January, while the Russian occupation of Transylvania was being discussed. German troops were brought south and concentrated in lower Hungary, sion into Servia along the marches of the Their purpose, it was duly announced from Vienna and Berlin, was a new invasion of victorious but stricken Servia. Yet a few weeks later these troops appeared in Transylvania, and moved east parallel to the Rumanian frontier,-as a warning to the Hohenzollern king of this state that to take Transvlvania he must fight the head of the Hohenzollern house,

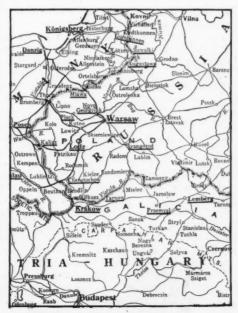
Under the pressure of these troops Russian armies in Bukovina speedily began to give ground. Step by step they were driven from before the Borgo and Kirilibaba passes, they were cleared out of the foothills of the Carpathians, and on February 17, when this is written, their retreat has halted at the Sereth River, a few miles south and west of Czernowitz and the Russian frontier, more than two-thirds of Bukovina has been reconquered and the Germans have interposed a wall of troops between the Czar and his prospective Rumanian allies.

In the same time there came from Budapest new rumors of Russian disaster, of the suicide of a Russian commander, and the capture of the general staff of the defeated army.

II. POLITICS AND STRATEGY IN THE These rumors were properly discounted, but there remained the solid fact that Bukovina had been reconquered, the invitation to Ru-In December and early January Austrian mania to participate in the war had been abdisaster had for the second time given the ruptly cancelled by German arms, and from Bucharest there came no more reports of the the Dual Empire might change the whole intervention of the Latin state without delay. On the contrary, there were credible reports of the release of vast stores of grain previousthian passes other forces swept Bukovina and ly purchased by Germany and Austria, temapproached Transylvania. The occupation porarily held up by the Rumanian Governof the crownland was a fair invitation ment, but now permitted to go north. Patto Rumania to join the conflict on the ently a military campaign waged for obvious

Nor did the quieting of Rumania end the success of German policy. A German loan For Germany the problem was promptly to Bulgaria again stimulated rumor that Ferdinand and his Bulgarian subjects were contemplating an entrance into the war on the German side, were planning to retake Macedonia, to strike at Servia and Greece, and, by cutting the Orient Railway, shut off the Slav state from Salonica and foreign supplies, and by invading the Valley of the Morava open a road between Berlin and Constantinople and thus unite the central or Continental nations. This rumor was perhaps idle, but it is interesting to note, as it indicates the change in a month from the January gossip of Rumanian attack upon Hun-

Finally, from Albania came a fresh incur-



SCENE OF THE EASTERN FIGHTING

rized, were the purpose and achievement of Stryj, as the Uzsok line does at Sambor. German arms in Bukovina. Thus promptly and completely had the Kaiser answered the scended into the Hungarian Plain along the appeal for help made a few weeks before; Theiss River in December, spread destructhus had he justified the affection and esteem tion and compelled the recall of Austrian in which he had long been held by the Hun- army corps which at that moment were on garians and silenced the whispers of discon- the point of crushing the Servian army about tent in Budapest.

III. THE BATTLE FOR THE CARPA- relief of Przemysl in the campaign which THIANS

sylvania that Hungary appealed to the Kais- virons of the city of Kassa, 170 miles from er; even more serious was the menace which the Hungarian capital, and in January vast south of Przemysl and Lemberg had for evidence of Russian incursion. If Hungapaign it is necessary briefly to describe the were to be maintained it was necessary for military importance of the Carpathians and Germany to intervene in the Carpathians as

Northern Hungary.

Looking at the map, it will be seen that summits known as the Eastern Beskids and the Forest Mountains. While the High Tatra reach an elevation of nearly 9000 feet and the summits in the eastern mountains pass 6000, the elevation of the central depression is well below 2000 and through and by February 15, while German bulletins several gaps the main roads and railways promised the deliverance of the gallant garfrom Hungary into Eastern Galicia find rison of this town, now reduced to horsetheir way.

news of the war ever since the Russians en- grudgingly admitted that the garrison was tered Lemberg. These are, from west to showing new activity. east, the Dukla Pass, through which goes the main highway from Hungary to Galicia, Austro-German campaign seems momentathat reaches the Galician Plain southeast of rily pausing at the foot of the passes on the Tarnow; the Lupkow Pass, through which Galician side. If the offensive can be pushed

Drina, directed at Prisrend and the territory Przemysl, which joins the southern Galician still populated by Albanians but ceded to trunk line at Sanok; and the Uzsok Pass. Servia and Montenegro by the Treaty of through which goes the main railway be-London. Here was new work for the Ser- tween Vienna and Lemberg and also an vian army calculated to keep it occupied important military highway. South of the south of the Danube and away from Bosnia Uzsok is the Vereczke Pass, through which until Germany had dealt with Russian activ- another trunk line goes from Vienna to Lemity in the southeast. Such, briefly summa- berg, crossing the southern Galicia line at

> By these passes Russian raiding forces de-Valievo. It was over these four passes that the Austrians in November had come to the

ended in disaster along the San.

At the westernmost point of their advance It was not merely for the saving of Tran- the Russians penetrated Hungary to the ena Russian advance across the Carpathians throngs of fugitives brought to Budapest the Magyar State. To explain this cam- rian loyalty to the Austro-German alliance of the passes which connect Galicia with in Bukovina. Once more Germany's resources in men and material were adequate.

Thus, while in January the battle reports the Carpathian range stretches in a wide spoke of towns in the valleys of the Latorze, half circle from the southernmost corner of the Ung and the Laborc, tributaries of the German Silesia to the frontier of Rumania. Theiss on the Hungarian side of the moun-On a relief map it will be noted that this tains, by February even the Russian bulletins great circle is pierced almost at the center began to concede the presence of Austroby a wide depression, due south of Przemysl German forces in the upper valleys of the and Lemberg. West of this depression the Wislocka, the San, and the Dneister; that is, Carpathians form three separate folds or on the Galician side of the range. By Februridges, from north to south the Western ary 17 the Russians conceded that they had Beskids, the High Tatra and the Low Tatra. vielded in all four of the passes and had East of it, the range spreads out with high taken their stand on the foothills of the Carpathians on the Galician side and along the southern Galician trunk line, which crosses the lines coming through the passes at Stryj, Sambor, Sanok, and Krasno.

In the meantime Przemysl still held out, meat, but promising to eat shoe leather before Three of these passes have been in the they yielded, Russian official statements

At the moment these lines are written the runs the railroad from Budapest to home along the roads and railways now



Photograph by Medem Photo Service

THE HARBOR OF ARCHANGEL—RUSSIA'S ICE-LOCKED PORT ON THE NORTH

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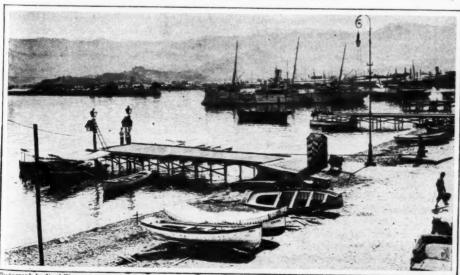
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Photograph by American Press Association , New York
RUSSIAN ARTILLERY IN THE SNOW BEFORE CRACOW



Photograph by Paul Thompson
BATUM—RUSSIA'S PORT ON THE BLACK SEA. THAT HAS BEEN BOMBARDED BY TURKISH BATTLESHIPS

held since September 1, must follow. Battle of Augustovo. But already the whole Russian offensive tion of the hour.

go to the German.

IV. EAST PRUSSIA IS REDEEMED

East Prussia be overrun, the whole Russian the sacrifice of life in a forlorn undertaking. front would be straightened, a great provto attack in the flank and rear.

man armies faced each other west of War-nounced a second Tannenberg and the capsaw on the lines they had taken when Hin- ture of 40,000 Russians. In any event it was denburg's great offensive against the Polish clear that by the use of automobiles, by again capital had been halted in December, new employing the strategic railways along the armies were directed against the German po- East Prussian frontier, the Germans had sitions north of the Vistula and south of the rushed overwhelming forces into East Prus-Niemen, on a front from Tilsit to Johannis- sia, beaten the Russian flanking force beburg, while another force moved down the tween the Niemen and the Angerapp and

Again it is necessary to glance at the map little corner about Lyck. to grasp the operations. Inside the eastern frontier of East Prussia some fifty miles there vancing eastward all along the front from extends from north to south between Inster- the Vistula to the Niemen, were across the burg and Johannisburg that intricate tangle Russian frontier in many places, and were of water known as the Msurian Lakes, out still driving the Russians back toward their of which flows the Angerapp River, which fortresses of Kovno, Grodno, Bielestok, and joins the Inster at Insterburg to make the Ostrolenka; that is, behind the Niemen and Pregel, a stream that enters the sea at Koe- the Narew. Seven months after the war nigsberg. In this region Rennenkampff had had broken out German soil was practically suffered his great disaster in September at free of Russians, and from the Rumanian Tannenberg. To this obstacle the Russians frontier to the Baltic German troops, with had returned in October after defeating a the support of their Austro-Hungarian allies,

partially occupied, the deliverance of Galicia, German invasion of Suwalki Province at the

For three months Russian and German along the Carpathians from the Rumanian forces had faced each other in this region frontier to the Tatra has been halted, thrown with little or no change of position. Now back, cleared out of the important passes. the Russians undertook to turn the Germans The invasion of Hungary is no longer dis- out of their strong position behind the Msucussed, the reconquest of Galicia is the ques- rian Lakes by attacking from the north and south; that is, by coming in on the flanks. At While the Russians have thus been driven the outset this move met with apparent sucout of the Carpathians, they have been cess. Coming west on the solid ground bechecked about Tarnow, fifty miles east of tween the Niemen and the Angerapp rivers, Cracow, which is no longer threatened with the Russians approached Tilsit, took Pilkalsiege. Such, briefly, is German achievement len, began to talk again of a siege of Koenigsin defense of Hungary, an achievement in berg. At the same time, to the south of the which Austro-Hungarian troops shared Msurian region, between the East Prussian largely, but for which the chief credit must frontier and the Vistula, they made headway toward Thorn.

In the first week in February, however, Hindenburg countered with terrific force. The first sign was a renewal of the German To answer the Austro-German thrust offensive south of the Vistula and along the through Bukovina and over the Carpathians Bzura-Rawa front. On this line the Gerthe Russians chose to strike at East Prussia. mans began a series of desperate assaults, Strategically such a move was advantageous which were announced as a new drive at because it meant moving troops a far shorter Warsaw. Petrograd proclaimed the slaughdistance away from Warsaw, which re- ter in these fights the greatest in the whole mained the center of military operations in war, and there were circumstantial reports the whole eastern front. Practically, could that the Kaiser himself had been shocked by

By the second week in this month, howince, a source of food supply to Germany, ever, the truth became apparent. The Gerwould be conquered, and ultimately the Ger- man attacks had been mere screening moveman position between the Bzura and the ments to cover the withdrawal of troops Nida in Russian Poland would be exposed from this front to East Prussia and very soon Petrograd began to concede defeat and re-Thus, while the main Russian and Ger- treat in East Prussia, while Berlin annorth bank of the Vistula toward Thorn. completely redeemed East Prussia, save for a

On February 17 German troops were ad-

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ican and and nen that the Kaiser himself should congratulate the Germans had now less than 1,000,000 his armies on achievements which, as he just- on the western front, were outnumbered at ly said, exceeded all expectation.

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defeated by weather rather than Russian was at a standstill.

V. STILL THE DEADLOCK IN THE WEST

Souain, she had, on the confession of French cial reports concealed. official statements, overwhelmed a French detachment and made good her triumph.

continued, but military observers, measuring not equaled since the Battle of the Marne, a it still occupied, maintained that as yet there peace, but in a new understanding of the terarms and of all races under the British col- before there could be hope of peace.

ors on the Continent.

nently bridged. In numbers it was stated tinue until victory was achieved.

were advancing. It was then, small wonder, by many, whose views deserve credence, that least two to one; yet such was the use they In this situation it was conceivable that a made of captured railways that their num-German drive at Warsaw from the north, bers remained wholly adequate for their task.

In February, too, military observers comarms in December, might be resumed. But mented freely upon the growing difficulty of as the Polish spring approached and the the Allied task. There was no real belief roads became impassable, military authorities that Germany could again sweep south, no began to forecast a new German effort in notion that her successes could be more than the West, where spring would bring good local; what was in the minds of military roads. At the least Germany could now critics was the fact that there had been alchoose, and in the East the initiative was lowed to Germany so many months to fortify If Russia had, on the whole, done her lines behind her front that months, and more than had been expected of her, she had even several years, might pass before there so far failed to harvest decisive results, and could be any real hope that Lille, St. Quentin, Maubeuge would be freed from the invader by military operation.

What was in the minds of all observers was the prospect that the defeat of Germany, if it were to be achieved in advance of the While Russia had met with complete fail- slow and terrible attrition of years of conure in the East, while Germany had multi- flict, must come from the use of naval power plied armies on the whole front from the and not by any spectacular or immediate mili-Baltic to the Pruth, and won notable tri- tary operation. In September the French umphs, she had displayed no weakness on the and English had attempted to turn the Ger-West. Not only had she beaten down all mans out of France by a flank move to Belthat was left of the much-heralded French gium. This had failed. In December and offensive in Alsace, retained the ground won January a second effort by a general offenalong the Aisne before Soissons and about sive from Switzerland to the sea had failed, Rheims, and held off the British attack upon had resulted in a loss of territory, insignifi-La Bassée, but eastward of Rheims, about cant but humiliating, in a loss of life all offi-

Military men paid full tribute to the strength and efficiency of the French army. In a word, the deadlock in the West was Whatever its state in August, it was in unbroken in February and nowhere was February fit for any possible task. But until there the slightest indication that the Allies England's new million had come there was were now making progress, even by inches, small hope for the French of clearing their toward the liberation of French soil. Re- own soil and there was no mistaking the fact ports of the arrival of British reinforcements that the month brought with it a depression the strength of the British army by the front depression not revealed in any desire to make were not more than 220,000 troops of all rible sacrifices that were to come, must come

For the Allies, February was a month That the French and English had been comparable with the year 1862 in the Civil able to manufacture heavy artillery to match War, when the American people first began the Germans was conceded on all sides, and to take measure of the meaning of war and superiority for new British guns was claimed the North began to comprehend the extent in official statements. That sufficient ammu- of its task. Yet by commercial treaties, by nition was in their hands was suggested by mutual loans, by the general scheme of pool-German statements of the discovery of Amering resources and efforts, Allied statesmen ican supplies among the captures. In arms gave new promise of enduring, and Petroand ammunition the gap between Germany grad, now facing defeat, echoed the deterand her opponents had plainly been perma-mination of Paris in early September, to con-

had settled one thing. As has often been ships were still able to serve England. pointed out in this magazine, the chance to conquer Europe vanished at the Marne, The nations to bring England to abandon her problem that remained was whether Europe purpose to consider foodstuffs contraband, could conquer Germany either by military she might still attain her end. To do this effort or by using seapower to starve the she staked all on a single throw, and followcivilian populations of Germany and her ing the precedent of Napoleon, the danger-

Austrian ally.

The factory regions of the province of Hain- expected was not to sink neutral ships, but ault and of the Department of the Nord, that neutral nations, headed by the United the coal deposits of Lens, the iron mines of States, would at once demand that England tinental Europe, outside of Germany, re- disclosed when the British, having seized the mained in the Kaiser's hands. To defend Wilhelmina, bound for Germany with grain,

stand off her enemies, to take such a tremen- test the seizure. dous toll of human life as the price of yieldinces would be as Midas gold to her lips.

lack for ammunition manufacture; British guage, asserted the same rights. pressure upon adjacent neutrals, upon Scandinavia, Holland, and Italy early began mina's cargo to the prize courts and indito check the flow of contraband to the Fa- cated her determination to continue her therland. The reports of a shortage of embargo. It now remained for Germany breadstuff in Germany had reached the out- to decide whether she would make good her side world and presently came the decree words, neglect the American warning, and of the government which brought the seiz- sink neutral ships, or admit defeat diplomature by the government of all grains and the ically. Her paper blockade had failed in its future distribution by the state.

many might face eventual famine unless she bulked smaller than their own rights.

VI. GERMANY'S FOOD PROBLEM could break the blockade. To break it she resolved upon the submarine blockade of It now remains to discuss the problem of England, which was, in fact, a proposal to food supply, which in February was revealed sink all British merchant ships, with their by German action to be the chiefest concern crews if necessary, in the hope of making of the Kaiser's ministers. It is perhaps best Britain endure the same danger of grain to approach this question first from the Ger- famine which now threatened Germany. But man point of view and then to refer to the this was in reality an idle threat, for there meager guidance given by international law. were lacking to Germany sufficient subma-For Germany, the first months of the war rives to maintain a real blockade and neutral

But if Germany could compel the neutral ous precedent which in the end proved fatal Six months of effort to conquer Germany to him, proclaimed a war zone about the earned for the Allies little of real value. In British Islands and warned neutral powers February as in September Germany occu- that their ships would, after February 18, pied practically all of Belgium, much of be exposed to the same peril as British ships Northern France, and of Western Poland. in this war zone. Patently what Germany Briev, the richest industrial regions in Con- lift the embargo on foodstuffs. This was his frontiers on alien soil was still possible. America was informed Germany would re-In this situation Germany might hope to scind her declaration if America would pro-

In substance Germany, now conceding ing not German but French, Belgian, and that her own life might be in danger, told Russian territory, that her enemies, through the world that her necessities put her beyond exhaustion, through sheer inability to con-international law and indicated to them the tinue the sacrifice, might consent to make way that they should act to escape German peace. collectively or severally, if she were menace. For the United States the way was herself safe from peril. But if the British to threaten the Allies with a prohibition of fleet should cut off the food supply from the export of foods and ammunition, which without, then victorious Germany might be German-Americans had vainly asked Conbrought to her knees and conquered prov- gress to prohibit, unless the food embargo were lifted. To this the United States re-This purpose Great Britain now pro-plied with the sharpest note that had come claimed. British fleets in the Channel, at from Washington since the Cleveland mes-Gibraltar, north of Scotland, had halted sage on the Venezuelan Boundary, and the ships carrying copper, Germany's one great other neutral nations, in less brusque lan-

England, on her part, sent the Wilhelpurpose wholly, and aroused the resentment With this step it became clear that Ger- of all neutrals, to whom German necessities

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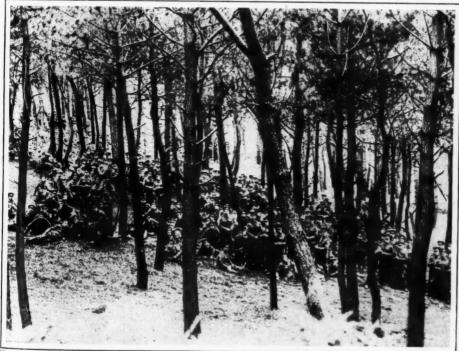
Photograph by American Press Association, New York
GERMANS IN THE TRENCHES IN THE VOSGES

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Photograph by American Press Association, New York

A REGIMENT OF ENGLISH INFANTRY WAITING IN A FOREST COVER FOR THE WORD TO TAKE UP ITS POSITION IN THE TRENCHES

VII. GERMANY'S CASE IN LAW

In the matter of the grain embargo Germany could plead warrant in international stated in the Declaration of London which by the fact that the British passenger ships makes foodstuffs conditional contraband, were using the American flag; the Lusitania Article 33 of this Declaration provides that had used the Stars and Stripes at the height "Conditional contraband is liable to capture of this debate. In consequence the Ameriif it is shown to be destined for the use can Government addressed a note of protest of the armed forces or a government department of the enemy state, unless in this latter case the circumstances show that the goods cannot in fact be used for the purposes of but pointing out the peril it might bring to the war in progress." Grain and foodstuffs American ships. But such a protest could are in this sense conditional contraband.

to take over the whole grain supply of the warning to Germany. nation furnished the British Government with a technical justification for the seizure new German policy was fraught with the

ing future grain cargoes.

tomed upon international law. requisite for a blockade is that it shall be ef- sulting merely from the exercise by them of fective: that is, as was defined in the Dec- those rights which had not been questioned laration of Paris in 1856 and reaffirmed in in law since Napoleon, in a dilemma such as the Declaration of London, "it must be main- the Kaiser now found himself in, had issued tained by a force sufficient, really, to pre- his Berlin and Milan decrees, to which alluvent access to the enemy coast-line." claim this for the few German submarines marines.

flag and merchant ships had been armed to weakness,

destroy submarines made such search dangerous, as the nature of the submarine would make it difficult.

The situation of the neutrals, and of the Her case rested upon that principle United States in particular, was complicated to England, not demanding that the practise be abandoned on any warrant of law, for none existed and the practise was recognized. only inflame German resentment when it ap-The decision of the German Government peared at the same moment as the brusque

For America, for all neutral nations, the of the grain of the Wilhelmina, and for seiz- gravest perils. Holland, Scandinavia, Italy, all these states traded with Great Britain. On the other hand, the case of the neutrals and all were forced now to consider the posagainst German proposals was squarely bot- sibility of an "incident" which might bring The first them to the edge of war, an "incident" re-

To sion has been made.

The moral effect of this German declaraused to interrupt commerce in British waters tion unmistakably injured German prestige was patently absurd. As it could not be the world over. The very desperateness of effective, the German blockade was, in fact, the policy adopted was interpreted as discloa mere paper blockade, without standing, sing internal weakness which served to Again, a blockade must be continuously counterbalance all the splendid victories of maintained, another task beyond the sub-February. While Berlin celebrated Hindenburg's new triumphs in the Msurian Lake In sum, then, the German declaration region, London, Paris, and Petrograd took amounted to a threat to sink neutral ships in new courage in Germany's apparent confesneutral waters; that is, on the high seas, if sion of weakness, and Washington looked those waters were within the area described with patent anxiety toward the new peril, by Germany as a war zone. According to which threatened to draw this country into usage and international law, the right to the world-war despite its unaffected eagersearch such ships, to seize ships or cargo, or ness to remain neutral. To Americans it both, under proper reserves belonged to the might seem that Germany had deliberately Germans, but they contended that the fact sought to embroil neutrals, To Germany's that British ships were using the American enemies it did seem that she had confessed

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Photograph by Paul Thompson, New York

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AT THE FAMOUS AUSTRIAN STRONGHOLD OF PRZEMYSL

(Karl Franz Joseph, heir to the throne (in center), inspecting the fortress, accompanied by General Kusmanek,

AUSTRIA-HUNGARY'S LEADERS IN THE NEW LINE-UP

[Austrian war censorship has been unrelenting, and scant and obscure has been the Austro-Hungarian military news that has come to the outside world. After half a year of war, even the military experts in America have hardly learned the names of the Austrian generals. It is apparent, however, that there has recently been a radical reorganization; and the following article embodies much interesting information as to the men who now lead armies and are hoping to recover, in the spring campaigns, some of the prestige that Austria-Hungary lost in the fall and winter.—THE EDITOR.]

old year in a particularly unfortunate situa- Hungary took on a new and vigorous aspect. tion. The severe reverses of the autumn had brought in their train the threat of Servian invasion; the Russian menace as to Hungary organization. There has been a realignment the Empire. Then there are the Austrian of forces, a shake-up among the leaders, and "Landwehr," and the Hungarian "Honvéd,"

HE Dual Monarchy has apparently an infusion of German genius and material, I pulled itself together for another, su- with the result that soon after the beginning preme effort. Germany's ally had ended the of the year the military operations of Austria-

AUSTRIA-HUNGARY'S PROBLEMS

The military problems of Austria-Hunbecame increasingly dangerous, and internal gary had been beset with peculiar difficulties. affairs in the empire began to develop in a In the first place, she lacked that close-knit disquieting manner. These conditions all unity which characterized the German milimade imperative a thorough reorganization tary machine. Her army organization, in of the Austro-Hungarian forces for a new fact, is affected by the composite nature of and vigorous campaign against the threatened the political system. Austria-Hungary, with tidal wave of Slavs from both the East and 'two governments, has, really, three military The German General Staff un- establishments. First there is the Imperial doubtedly played a prominent part in this re- Royal Army, which is the common force of

March-4

which are not "reserves," but constitute each moniously merged. In action these horsemen

lishments, remaining subject to service afterward only in that organization to which they were originally assigned.

Austria-Hungary has an elaborate system of military education for the youth of the Empire, beginning with the public schools and ranging up through the various military institutions to the War Acad-



GENERAL VON KROBATIN, THE AUSTRO-HUNGARIAN MINISTER OF WAR

Academy that the future generals are trained, and here army activities center both in peace and in war. Subject to a rigorous method of selection, the officers enter the academy as First Lieutenants, and receive a three-years' course of thorough training in all branches of military science, as well as in certain lines of general knowledge.

AN ARMY OF DIVERSE RACES

Austria-Hungary's threefold system complicates military matters and adds to the difficulties of mobilization. But army problems are also increased by the heterogeneous character of her soldiers,—the result of the numerous races comprising the population of the Empire,—Hungarians, Germans, Rumanians, Poles, Czechs, Croats, and so on. Regiments of one race are often officered by men of another, with consequent difficulties arising from the use of different languages. These racial elements are, however, recognized in the making up of the military organization, the distinctive racial qualities being utilized in that branch of the service where they will be most effective.

For instance, the cavalry, famous for its uhlans, dragoons, and hussars, is recruited mostly from the Hungarians, who are noted for their horsemanship and spirited dash, the temperaments of horse and rider being har-

the military force of its own country, with are literally ungovernable, and once in sight its own reserve organization. The annual of the enemy, dash at them in impetuous and classes of military cadets are apportioned irresistible fashion. The Hungarian cavalry, among these three different military estab- for this reason, are often held back for the final charge.

> Other racial elements similarly possess their peculiar traits. The Croats are excellent soldiers, acting well under military discipline. The Czechs (Bohemians), while not celebrated for military qualities, are noted for their endurance, while the warlike virtues of the Poles are historic. The artillery branch, which contributed so effectively to German success in Belgium, is recruited mostly from Austrians and Hungarian Swabians. The department of transportation, like the infantry, draws from all races. The Croats have always had a great reputation for loyalty to the Austro-Hungarian Empire. They have been considered as the natural protectors of the border and the strong bulwark of the Empire on the southwest.

WHERE ARE THE VARIOUS ELEMENTS FIGHTING?

Where the Bohemians are located in the emy in Vienna. It is in this famous War present operations is a mystery. They do not seem to be appearing either in the con-

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ARCHDUKE FRIEDRICH (LEFT) WITH THE CHIEF OF THE GENERAL STAFF, VON HOETZENDORF

ern operations against the Russians. It is ferent from that of other nations. The Gerconjectured that they are being used in mans have their von Hindenberg, the French France. The general distribution on the their Joffre, the Russians their Grand Duke fighting zones of the various racial elements Nicholas, and the English their General is not, of course, a matter of public knowl- French. But Austria-Hungary has no miliedge. It is surmised, however, that not a few tary idol. This has been due to some extent regiments are represented on the Western fir- to the system of the Austrian General Staff,

ing line. Also, according to report, some of these Austrian troops in France have, for some strategic reason, exchanged uniforms with German soldiers.

In times of peace the military organization of the Empire is 50 per cent. Hungarian. Now the Hungarians compose two-thirds of the forces in the field. This is true of the new army for the invasion of Servia, under Archduke Eugen, as well as of the armies on the eastern frontier. A large force of Bavarians helps to make up the balance of Eugen's army, while the other third of the force in the Carpathians is composed of Croats and Polish

good all their losses in the field.

THE PERSONALITIES OF THE LEADERS

templated Servian expedition, or in the east- tary leaders, the situation is somewhat dif-

which has always exhibited a certain bureaucratic aloofness. The General Staff has also been responsible for the putting into the field of favored men who, while doubtless excellent theoretical strategists, did not fare so well in actual battle, and were, moreover, unable to establish sympathetic relations with their armies. Unlike the new leaders, Archduke Eugen and Archduke Joseph August, they were not popular with the masses. Probably the misfortunes attending the Russian and the Servian campaigns were in a measure due to these conditions. At any rate, reverses in the field were severe,



GENERAL CONRAD VON HOETZENDORF (Chief of the General Staff of the Austro-Hungarian

volunteers. The Poles are said to be volundiscontent was brewing at home, and there teering with a rapidity that promptly makes seemed to be a demand for a change in leaders. There began, therefore, toward the end of the last year, a "weeding out" process.

The most striking example of these changes Hitherto these various racial elements have was the elimination of the ill-fated Field had their differences as among each other. Marshal Potiorek,-a Bohemian by birth,-This applies both to officers and men. With who conducted the Servian campaign last different national aims and ambitions, this fall. Before the war General Potiorek was was only natural. The German language, serving as chief of the government of Bosnia, also, has long been a severe bone of conten- and had also been connected with the opertion in the army, the Austrian element in- ating bureau of the General Staff of the sisting on its general use, and the Hungarians army. As a result of the initial successes of steadfastly resisting it. But now, it is claimed, the Austrians in Servia, Potiorek was awardconditions have changed, due to the facing of ed signal honors by the Emperor Franz Joa common enemy. The military forces of the seph, only to incur, a little later, the wrath of Dual Empire are reported to be acting to- his monarch and suffer dismissal for the subgether harmoniously for the common cause.

When it comes to the personalities of mili
Other generals who were swept

Other generals who were swept aside







GENERAL DANKL

GENERAL KUSMANEK

GENERAL VON BOJNA

tered Belgrade victoriously at the head of the Austria-Hungary. the operations at Lublin. Auffenberg is a tary organization. veteran of the Bosnian occupation of 1878, In von Hoetzendorf's hands lies the direchas served in important military capacities, tion of the armies of Austria-Hungary. Born performing notable service in the reorganiza- near Vienna, Baron von Hoetzendorf is

tion of military schools, and, in 1911, became Minister of War, in which post he was succeeded by General Krobatin in the following year.

Among the leaders that remain are, of course, first the Minister of War Krobatin. Alexander Krobatin has the rank of Field Marshal, and previously to his elevation to his present position had served as second in rank in the War Department. His particular military specialty is the artillery.

THE "KITCHENER" OF AUS-TRIA-HUNGARY

Next to the Minister of War, the man on whose shoulders falls the greatest burden of army organization is Baron von Hoetzendorf, Chief of the General Staff. The chief of the Austro-Hungarian General Staff is the outstanding figure and chief factor in the army organization of the Dual "General Conrad," Empire.



ARCHDUKE LEOPOLD SALVATOR (Expert in artillery service)

were General Liborius Frank, who had en- as he is known, is the Kitchener of He has the full confi-Fifth Army Corps, and General Auffenberg, dence of the aged Emperor, as well as of the who, early in the war, had been placed at the rank and file of the army. He possesses head of an army corps and was concerned in unique qualifications and capacity for mili-

sixty-two years old, and has rendered almost continuous service to the Empire since leaving the military academy at Hainburg. With a thorough theoretic education, he has also had experience in the campaigns in Bosnia, South Dalmatia, and elsewhere.

A MASTER TACTICIAN

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General von Hoetzendorf has a wide reputation in the field of strategy, his books on this subject holding first rank in military literature. His most celebrated work on the fundamental principles of tactics has been accepted as a text-book by all the war academies of the world. Von Hoetzendorf was placed at the head of the Austro-Hungarian army in 1906 by the late Archduke Franz Ferdinand, the victim of the assassination in Sarajevo, who was his great admirer and intimate friend. How he resigned, several years later, becomes interesting now, in view of the

Italian border. News of this was received in been chief since 1907. Italy with great excitement, the entire press in- Archduke Joseph Augustin, the son of the

ally. Austro - Hungarian diplomacy sided with Italy. General Conrad's plan, however, received the strong support of the late Archduke Franz Ferdinand. But when the matter was put before the old Emperor, the late Minister of Foreign Affairs, Count Aerenthal, was successful in his opposition, and the plan failed, whereupon General Conrad resigned. But in 1912 he was recalled to the post of Chief of Staff. The Emperor-King, who is himself a great admirer of General Conrad, has conferred on him the distinguished honor, -given, according to Hapsburg custom, only to royal personages,-of the office of Patron of the 39th Infantry Regiment. General Conrad's military genius is exhibited

in an episode that occurred some years seph has already proved his bravery on more ago, when the notorious Redel, a Lieu- than one occasion. How he will succeed as entirely new system of mobilization.

THE ACTIVE ARCHDUKES

Closely associated with the Chief of Staff in the work of army mobilization and organization was the Archduke Friedrich, who has

situation that has developed between the two was born at Gross-Seelowitz, and is in his Southern members of the Triple Alliance, fifty-ninth year. Friedrich's activities have General Conrad, as the head of the Gen- been confined to the infantry branch, his prineral Staff, had demanded that a systematic cipal service having been in the organization line of fortifications be built on the Austro- of the Austrian Landwehr, of which he has

terpreting it as a distrust of Italy's faith as an late Archduke Joseph (who, together with

his entire family, was given the name of the "Palatinus Hungarian Hapsburgs" as a token of affection by the Hungarian people) owes it to his great popularity that he was placed at the head of an army, after the dismissal of various of the Austro - Hungarian generals. The young Archduke Joseph carefully cultivated his great popularity, which his father and grandfather (the last Hungarian Palatine) gained from the Hungarian people. At the present time the task of his army is to bear the brunt of the Russian attacks in the Carpathians, and, - as can easily be seen from the newspapers of Hungary, - the Hungarian troops surround this "Hungarian Hapsburg" with much enthu-

siasm. Archduke Jo-



ARCHDUKE EUGEN (The new commander of the Austro-Hungarian expedition against the Servians)

tenant-Colonel in the Austro-Hungarian a tactician and strategist is a secret for the General Staff, sold to Russia the entire mobi- future to reveal. While not famous for lization system of Austria-Hungary. Such a military talent, Archduke Joseph gained system takes years to work out. But, within much of his popularity with the Hungarians two years, General Conrad had created an by making his residence in Budapest. He is looked upon as a probability for the Hungarian throne, in the event of Hungary's emergence as a separate national entity.

Selected to head the new invasion of Servia, been attached to the army since 1871. He it is on the Archduke Eugen that the hopes

is that he is a bachelor. And a further peculiarity is that he actually has military talent. THE HEIR TO THE THRONE IS ALSO ACTIVE After a gay and boisterous life as a young but his widely esteemed knowledge of mili-taking. tary science insures for him the confidence of the armies under his command.

THE MAN WHO HOLDS PRZEMYSL

Kusmanek was educated at the Vienna Neu- and the renewed resistance to Russian instadt Military Academy, of which he later vasion, coupled with the accession of German became an officer, and was subsequently at- forces and a change of commanders, show tached to the General Staff.

in Austria's battles against the Russians, and preme effort to recover her lost prestige and who remains in active service, is General to maintain the integrity of the Dual Empire.

of Austria for recovering her lost laurels in Victor Dankl, who led the forces at Krasnik this direction have been placed. Eugen, - in south Poland last August. Dankl is a gengeneral of cavalry, army inspector, and com- eral of cavalry, and was born in 1854. Atmander in Tyrol and Vorarlberg,-was born tending the military Academy of Viennaat Gross-Seelowitz in 1863. The Archduke Neustadt, he began his army career as lieuis an extraordinarily cool and resolute man, tenant of dragoons. After serving with the well versed in the science of warfare and one General Staff, he became Chief of Staff of a of the ablest generals in the Austro-Hunga- cavalry division, then chief of the General rian army. One of his first moves in pre- Staff of the 13th Corps, and later Chief of paring for the Servian invasion, according the Direction Bureau of the General Staff to report,—has been the banishing of the Ser- and Major-General commanding the 36th vian contingent from his forces. There is a infantry division at Agram and Innsbruck. certain mystery about the personality of the Dankl distinguished himself in the grand Archduke Eugen. Another thing about him, maneuvers of 1908, and in the present war peculiar as related to the Hapsburg dynasty, operations has displayed conspicuous genius.

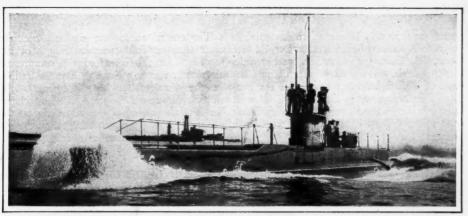
The Heir Presumptive to the throne, Karl man, Archduke Eugen took upon himself the Franz Joseph, is also active in military duty of Grand Master of one of the sove- affairs. The young Archduke has particireign Knightly Orders,—which the tradition pated in the operations of the army since the respecting the Hapsburg dynasty nominally opening of the war, and has also, on occasion, supports,—and led the required secluded life journeyed to the German Emperor's headof the order. But his military talent has pre-quarters for conferences. It was he, accorddestined him for a most difficult task, that of ing to report, who presided at the conferreplacing the deposed General Potiorek in ence early in January on the question as to the southern war operations. Eugen is not whether there should be a fresh offensive so closely attached to his troops as is Joseph, against Servia, and favored such an under-

Besides these leaders mentioned, there are many able corps commanders who are serving with great distinction in the field, but whose names seldom appear in print. There is very One of the outstanding Austrian war little news, in fact, allowed to come out in heroes is General Hermann Rudolf Kusma- the papers of Austria-Hungary now. The nek, whose great distinction has come as the publication of anything but the barest statedefender of Przemysl. Kusmanek is a Bohe- ments contained in the official bulletins is mian and is another real military genius. For severely discouraged. Reports of military his heroic resistance in the defense of the operations, or of internal conditions in the great Austrian stronghold against repeated Empire, are not easy to obtain. That there Russian onslaughts, General Kusmanek has is a strong determination to recover lost laubeen recognized with high honors by the rels is, however, apparent. The decision to Emperor Franz Joseph. Born in 1860, enter upon this new expedition into Servia, that Austria-Hungary has girded herself Another soldier who has won distinction afresh and is bending every energy for a su-

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BRITAIN'S LATEST SUBMARINE (One of the "E" class-among the largest and most powerful under-water craft in the world)

BATTLESHIP VS. SUBMARINE

I.—THE SUBMARINE'S WEAPON— THE TORPEDO

Will the German submarines be able to whittle down the British navy by successive attack until it is on a more even fighting level with the German Navy?

Admiral von Tirpitz, the head of the German Navy, is a strong believer in the efficacy of the submarine (as is also the noted naval expert of England, Admiral Sir Percy Scott), placing more reliance on this type of craft for a destructive campaign against England than on

Von Tirpitz's recent suggestion for throwing a ring of these vessels about Great Britain lends increased interest to the subject of the submarine and its power.

The following description is prepared for our readers by a competent expert.—THE EDITOR.

the dreadnoughts, and that to build more of highest total of definite results. these costly battleships is sheer waste of our national defenses last month, testified the torpedo. The jackies dub it the "tin to the formidable character of this branch fish," and the "Percy Scott," after its ar-

HE performances of both German and of naval warfare. To date submarines have English submarines in the present war done extremely effective work, well-nigh a have lifted this class of sea fighters to a place round dozen war vessels, - English, German, of high importance. Certain eminent au- Russian, and Turkish,-having so far sucthorities, in fact,—like Admiral Sir Percy cumbed to their attacks. Indeed, until last Scott, of England,—are of opinion that the month's sea fights off the coast of South submarine has sounded the death-knell of America the under-sea raiders had scored the

The sensational success of the submarine money. American naval experts, also, in lends interest to the remarkable weapon the course of the Congressional inquiry into with which it does its work of destruction,—

speed of

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40 miles

hour.

can travel a dis-

tance of six miles, and at the end of its run be capable of destroying or severely crippling a

The torpedo

dent supporter. The modern automobile

The central section, or air-flask, occupies torpedo is a cigar-shaped steel object, 22 feet more than one-half the total length of the long, 21 inches in diameter, and weighs torpedo. In this is stored the compressed 2000 pounds. With its wonderful mechan- air which, escaping through a valve leading ism of almost human intelligence, the pro- to the tiny turbine engine, propels the jectile in action seems almost to throb with weapon through the water. The air chamlife. It dives like a porpoise, steers itself, ber is to the engine of the torpedo what the and ploughs invisibly through the water at a boiler is to the reciprocating engine of a steamship. Near the tail-end of the projectile is located the wonderful turbine engine that operates the propeller blades. The turbine develops about 160 horsepower, with a corresponding speed of 40 miles an hour. Its initial speed is nearly a mile a minute, with an extreme range of from eight to ten thousand yards.

The "brain" of the weapon is in the tail It is a little gyroscope that one could hold in the hand and it is as delicately adjusted as a chronometer. This marvelous piece of mechanism, when properly set, automatically controls, steers, and keeps the torpedo in position during its

line of flight.

or left, the gyroscope,an almost human pilot, - automatically operates a lever, throws the rudders up or down,

runs afoul of its course and is deflected either to the right

If the torpedo

great battleship. The torpedo is divided into three main parts: 1, the warhead, or front section, which holds the explosive charge, weighing from two to three hundred pounds; 2, the air flask, or central chamber, and 3, the after body, or tail, containing the turbine engine, gyroscope,

steering-gear, rudders, and propellers. One of the most ingenious and vital parts of the whole mechanism is a small propeller for preventing the premature explosion of the torpedo. It is located at the extreme point, or "nose" of the warhead. It accomplishes this by locking the firing pin. When the torpedo enters the water on being fired from the submarine or destroyer, the revolutions of the propellers release a "sleeve" which uncovers the firing pin. This puts it ingenious, and automatic adjustments of the in position to strike the detonating primer interior mechanism of a modern torpedo. and explode the charge the instant the torpedo finds its mark.

A CLOSE VIEW OF A MODERN 21-INCH TORPEDO

(The extreme front is the war head, carrying 300 pounds of explosive; the center section is the com-pressed air chamber for operating the engine of the projectile during its run. The tail contains the turbine engine and mechanism for steering the torpedo while on its course)

and to the right or left, bringing the torpedo back to its proper path.

It takes almost a thousand pieces of steel, brass, and bronze to make up all the delicate.

The torpedo is fired from a tube about twenty feet long, located either in the body

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interior mechanism and automatic contri- over \$6000. vances of the torpedo come to life. The comes a floating, dangerous mine.

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On board the U. S. S. Montana, Uncle Sam naval construction policies.

of a submarine or on the deck of a destroyer. conducts a school, equipped with modern tor-This tube is well greased inside, to enable pedo installations. Here the rising generathe torpedo to slide out easily. Before tion of sea fighters is drilled in the science pushing the shell home, the air chamber is of torpedo warfare,-handling, aiming, and filled with compressed air to drive the engine firing the shell, in the same manner as in during the torpedo's run. An impulse actual warfare. The latest type of torpedo, charge of compressed air is also employed shown in the accompanying illustration, for launching the torpedo out of the tube. with its thousand-odd complicated adjust-Promptly upon striking the water all the ments, requires one year to build and costs

So far, the warships destroyed by the torturbine engine and the propellers start im- pedo have been mostly old vessels, not demediately, driving the torpedo at a swift pace signed to withstand under-water torpedo straight towards the target. After dealing attacks. The decisive test of the torpedo in its blow, the missile disappears in its own modern warfare will come when it is ruin,—or, in case of a miss, its motor power launched against the recently constructed gradually runs down, and the torpedo be- super-dreadnoughts, with all their protecting devices, such as double bottom, inner and The United States Navy is placing great outer skin, bulkheads, water-tight compartimportance upon these under-water weapons, ments, etc. A decisive trial of this character and the latest type adopted for service is would throw much light on the question of now being manufactured at the new govern- the relative value of battleship and submament torpedo factory, at Newport, R. I. rine, and would also, of course, vitally affect

II.—THE BATTLESHIP'S DEFENSE

Can a battleship protect itself against submarine attack? Or is even the modern super-dreadnought, a floating fortress costing a round ten million dollars, and carrying a complement of a thousand human lives, doomed to submit to a deadly submarine stab, and settle down forthwith to a watery grave?

With the under-water craft and its weapon developed to the present degree of deadliness, the problem of protection for battleships against this form of attack is pressing and vital. We present in the following brief article an expert's views of the various methods at present available for protection against submarines.—THE EDITOR.

tect. Or, rather, it proves that the system in vogue at the time those vessels were built is warhead of the latest torpedoes.

THE events of the present war seem to service, a short-range, moderate-speed torprove that if a torpedo gets home, the pedo, carrying the enormous charge of 420 warship that is struck is doomed. The loss pounds. It is doubtful if the very latest of the armored cruisers Aboukir, Cressy and dreadnought, in spite of its elaborate system Hogue, built in 1900, and the battleship of bulkheading and the provision of special Formidable, completed about the same time, torpedo-defense cofferdams or chambers, show that protection by elaborate sub-would survive the smashing and wrenching division below the water line does not pro- effect of the blow of one of these weapons.

THE USE OF A TORPEDO NET

insufficient to withstand the heavy charges If internal protection is ineffective, or of high explosive which are carried in the rather insufficient, what other means of defense external to the ship is available? The The most modern weapons in our navy are best-known of these is the torpedo-net, slung charged with 300 pounds of explosive. The from booms and surrounding the ship at a Germans, sacrificing air supply and engine distance sufficient to prevent the shock of power for explosive, use, in their submarine explosion from injuring the hull. Theoretipermitting the torpedo to pass through un- torpedo engine. exploded. The net offers great obstruction when a ship is in motion; it is serviceable only when a fleet is at rest; and some navies, including our own, make no use of it.

MINES FOR DEFENSE WHILE IN HARBORS

which, like that of Germany, has taken avoid the torpedoes by quick maneuvering. refuge in its harbors, is the mine-field laid in boats and destroyers. against the passage of submarines.

A PROTECTIVE SCREEN OF DESTROYERS

its defense against torpedo attack is twofold. good. If it should be sighted, the destroyer battleship column. It is the duty of this in this way during the war. screen to meet the destroyer attack of the enemy, sink or drive off his flotillas, and prevent them from getting within firing range a perfect storm of high-explosive shells.

cally, the net is supposed to offer sufficient effective defense is the possession, by the ship resistance to detonate the explosive charge; attacked, of high-speed and quick-turning but of late years net-cutters, attached to the power. The course of a torpedo is plainly torpedo, have been developed, which have visible because of the white streak of air proved successful in breaching the net and bubbles caused by the air exhaust from the

QUICK MANEUVERING MOST EFFECTIVE

According to the testimony of eye witnesses on the ships engaged in the Heligoland fight, the fast battle-cruisers, scouts and destroyers engaged on the British side, thanks to their The most effective protection for a fleet speeds of nearly thirty knots, were able to

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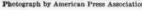
And just here it should be mentioned that the approaches to the harbor and the pro- the same qualities of speed and maneuvering vision of anchored booms of sufficient ability are proving to be the best protection strength to prevent the passage of torpedo against the submarine. Before the latter can Frequently these launch its torpedo with accuracy it must booms have suspended below them heavy bring its periscope above the surface to denetting and interlacing cables, as a protection termine if the submarine is pointing true at the ship attacked. If the battleship is accompanied, as it should always be, by destroyers, and a keen lookout is kept, the When a battleship fleet takes to the open chances of sighting the submarine are fairly First, it is protected by a screen of destroyers, is headed, full speed, for the submarine in steaming in wedge-shaped formation in the the attempt to ram it, and several of the van, and in parallel lines on each side of the submarine craft have been sunk or disabled

ALSO, VISIBLE FROM AN AEROPLANE

Lastly, there is the aeroplane. of the main fleet. Should the enemy destroy- ments have shown that submarines are visible ers break through, reliance must be placed on from an aeroplane in clear and smooth water, the torpedo-defense batteries of the battle- even when they are submerged to depths of ships, which consist of rapid-fire, 5 and 6-inch from fifty to one hundred feet. Here is a guns, capable of pouring upon the destroyers form of protection that may prove to be a complete answer to that invisibility which is The present war has proved that a most the chief asset of submarine warfare.











THE RED CROSS AT WORK

BY WINTHROP D. LANE

quake, may know at first hand what the Red ly every other country has subscribed. Cross is and how it works in time of peace. main unanswered.

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tle of that name, in which the French and Geneva Convention in 1906, Sardinians were arrayed against the Austrians. The fighting raged over a wide reach of country and continued for sixteen hours; could for shelter and help.

ing he saw, he joined in the work of relief, the spirit of its institutions. and organized for the first time corps of voltinction of nationality?"

THE TREATY OF GENEVA

question. This convention met in Geneva ican National Association of the Red Cross, framed the Treaty of Geneva, sometimes by Congress in 1905. called the "Red Cross Treaty," and imme-

*HOSE who have had the misfortune to diately secured the signatures of eleven govbe caught by flood, forest fire, or earth- ernments to this document. Since then near-

The Treaty of Geneva did not create Na-But even for them its activities in war are tional Red Cross organizations. It was mysterious and secret. What does it accom- merely an agreement by the signing powers plish and how does it accomplish this? What to recognize the neutrality of and extend is its relation to an actual battle, before, certain immunities to all field hospitals, saniduring, and after the fighting? What is its tary supplies, ambulances, surgeons, nurses, official status and how has it come into ex- and attendants, wearing the sign of a red istence? For most people these questions re- cross on a white field. This sign was chosen out of compliment to the Swiss republic, the In June, 1859, near the little village of colors of which are a white cross on a red Solferino, Italy, occurred the memorable bat- ground. The treaty was revised by a second

EACH NATION HAS ITS OWN ORGANIZATION

Under the encouragement afforded by this at its close 16,000 French and Sardinian sol- treaty, national Red Cross societies have since diers and 20,000 Austrians lay dead or dis- been formed independently in the countries abled on the field. The medical staff was signing the treaty. They have sprung up in wholly inadequate to care for the wounded. various ways and are called by various names, For days after the battle many of the dead though the words "Red Cross" appear in the remained unburied, and the wounded lay titles of nearly all of them. The framers where they fell or crawled away as best they of the treaty foresaw that national differences would prevent a universal code of manage-A Swiss gentleman, Henri Dunant by ment and that each country would have to name, happened to be traveling near that be left free to establish and regulate its own battlefield. Deeply impressed by the suffer- society in accordance with its own ideas and

Thus, the British Red Cross Society had unteers to search for and nurse the wounded. its origin in "The National Society for Aid But the inadequacy of this service and the to Sick and Wounded in War," formed as consequent suffering of the wounded haunted a result of the suffering that occurred in the him afterwards and impelled him to write a Franco-German war of 1870. In 1905 all book recounting his experiences and asking: the British associations concerned with the "Would it not be possible to establish in succor of sick and wounded soldiers were every country of Europe aid societies, whose combined into the present organization. The aim would be to provide, during war, volun- Red Cross Society of Japan, one of the larteer nurses for the wounded, without dis- gest and most efficient, had its origin in the Haku-ai-sha, or Charity Association, founded during a civil war in 1877; by an imperial ordinance issued in December, 1901, it was The agitation of M. Dunant interested "authorized to assist the sanitary service of others and by the fall of 1863 sympathy with the Army and the Navy within the limits his views had been expressed by persons in so fixed by the Ministers of the Army and of many countries that it was possible to call the Navy." The American National Red an international convention to answer his Cross was organized in 1881 as "The Amerin the autumn of the following year. It and was granted its present charter and name

pects of organization.

Treaty of Geneva. Each adopts whatever in self-defense. methods seem to it best to prepare in time of peace for service in time of war, conduct campaigns for money and aim to be ready with as effective hospital, nursing, and stated dues.

ing the present war this committee has estab- out distinction of nationality. lished a Prisoners' Bureau at Geneva, the

IN WAR, SUBJECT TO MILITARY AUTHORITY

Let us now see what happens when two or more countries go to war. First, every belligerent must notify each of its enemies, if it has not already done so, of the names of the societies that are authorized to render assistance in the official medical service of its armies. The Red Cross is the chief, in some instances the only one, of these societies.

personnel (nurses, surgeons, litter-bearers, etc.) and equipment of the Red Cross enter as the conditions of modern warfare permit, ed when transferred to hospitals on land. they must be respected and protected by the enemy. If one of their number is accidentally shot in long-range fighting, this is looked

ence, it will be seen, as agencies to ameliorate if they fall into the hands of the enemy, they the suffering of warfare. Most of them are are not to be regarded as prisoners of war: now organized to alleviate suffering both in in such a case, they may be compelled to peace and war. Our own society has em- continue in the exercise of their functions unphasized peace activities, but in this it dif- der the enemy's direction. While they refers from most European societies, which main in his power, he must grant them the have tended rather to stress the military as- same pay and allowances granted to persons of the same grade in his own army. When Each of the national societies formed as a their assistance is no longer indispensable he result of the Treaty of Geneva is a voluntary must send them back to their own army or agency, recognized by its own government country in such manner as military necesand authorized to attach itself to the sanitary sity dictates, and he must permit them to take forces of the army in event of war. The with them their private property. The pro-Red Cross is thus additional to the regular tection due them from the enemy ceases if military medical and nursing service. Each they commit acts injurious to him. They society is subject to the provisions of the 1906 may, however, arm themselves and use arms

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NURSES AND DOCTORS STATIONED IN HOSPITALS

For the most part, of course, the personnel surgical service as possible. Most of the of Red Cross societies do not get into actual societies are membership organizations, mem-fighting. They are stationed in hospitals, at bership amounting merely to the payment of fixed medical bases, or in the rear of the firing line. In the latter case, they go over There is no international Red Cross so- the field after the battle and carry off the ciety. An International Red Cross Commit-wounded. The Treaty of Geneva requires tee, with headquarters at Geneva, acts as a that after every engagement the belligerent communicating agent of the national societies who remains in possession of the field of battle and studies methods of amelioration and re- shall search for the wounded and protect both lief, but it is not itself a relief agency. Dur- wounded and dead from ill treatment, with-

The Red Cross society of a neutral state purpose of which is to transmit information of can lend its services to a belligerent only with the sick and wounded prisoners of all count the prior consent of its own government and tries to their families. It also acts as a prist the authority of the belligerent, and the beloners' post-office, a report in October declar- ligerent must then notify his enemies before ing that 3000 letters were received daily, making any use of such services. The American National Red Cross has made this offer to each of the countries now at war, and the offer has been accepted by all. The nurses and doctors sent from this country are being used exclusively, so far as is known, in hospitals.

The principles of the revised Treaty of Geneva were extended to maritime warfare by the Hague Convention in 1907. For the most part the agreement then signed secures the same protection and immunities to hos-When this notification has been given, the pital ships that the prior agreement secured to official relief forces on land. In naval warfare the Red Cross can be of service chiefly by the field subject to military laws and regula- providing hospital ships, which aim to remain tions; that is, the Red Cross forces take or- at a convenient distance from the scene of ders from the military authorities. In so far battle, and by caring for the sick and wound-

INADEOUACY OF THE SERVICE

The foregoing are the mandatory proviupon as a matter that cannot be helped. But sions of the "Red Cross Treaty" of 1906.

How far they are carried out must depend ultimately, of course, upon the willingness of belligerents and what is called "military authenticity of these it is impossible to judge.

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One thing is certain, however, about the armies. This is that they are totally inadequate to the task confronting them. Of this we have first-hand evidence. Ernest P. Bicknell, national director of the American Red Cross, who has administered relief after some of the greatest disasters of modern times, enin September. When he returned he said to as nurses. the writer:

None of the accounts reaching this country overstate the total inadequacy of all existing machinery for taking care of those who fall in battle. Try to estimate the task. Altogether 7,000,000 or 8,000,000 men are facing each other along 1000 miles of battlefront. The terrible effectiveness of modern weapons was never given so great a

chance to show itself. The plain truth is that over the thousands of square miles already battle-swept, countless thousands of men have been left wounded and helpless. No one knows the numbers,-no one can know. When I was in Berlin five trains left the city in one day, simply to get wounded and bring them back to the city. The number of daily trains increased after that. Berlin, Paris and London are literally filling up with wounded and sick soldiers. The public and private hospitals have been filled. Public buildings are being used to house them and many private homes are now being thrown open.

In the villages and countryside lie thousands of men who have not seen either doctor or nurse. Some of them crawl into peasants' houses, but no one knows how many are lying under hay stacks, necessity." Reports have reached us of ill in the lee of cattle-sheds, or beneath the glare of treatment accorded those wearing the Red the sun, and the drive of the rain in ditches and Cross badge in the present war, but of the along the roadside. It is there that the great humanitarian work of this war must be done.

Now to meet this unprecedented call no human prearrangements could have been adequate. The Red Cross societies now with the European Red Cross societies in Europe are thoroughly efficient and are organized primarily for war relief. But they cannot meet the present crisis. They simply cannot get doctors and nurses enough.

They are trying hard. The British Red Cross

Society accepted 500 members of the Salvation Army at one time simply to go to the front in Belgium and France as litter-bearers, orderlies, attendants, etc. The German society has accepted tered the interior of Germany and France the services of hundreds of Catholic sisters to act

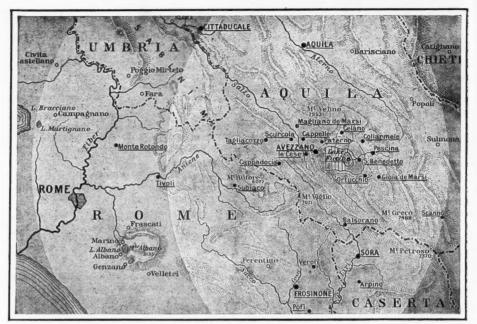
> Hopeless as the situation appears, something can be done about it. There are enough nurses and doctors in the world, willing to go to the scene of need, to help thousands of these poor fellows not now receiving help. The problem is to get them there. It costs money. The forces of mercy have got to be mobilized as effectively as the forces of destruction. The fighting nations cannot do it adequately and promptly. It is in large measure up to the non-fighting countries of the world. It is up to America. The American Red Cross, which has already sent 138 nurses and 30 doctors, could send every one of its 5000 enrolled nurses and not exceed the need.

This was the condition five months ago. By early January the American Red Cross had been able to bring the number of its nurses up to 150 and of its doctors up to 45! It had also sent a considerable quantity of medical and nursing supplies.



Photograph by American Press Association

GERMAN RED CROSS GATHERING THE WOUNDED AND DEAD ON THE FIELD AT PERONNE



THE EARTHQUAKE ZONE OF JANUARY 13, 1915 (The devastated area is shown in light shading)

THE SETTING OF THE RECENT ITALIAN EARTHQUAKE

BY JOHN L. RICH

(Department of Geology, University of Illinois)

THROUGHOUT historic times Italy from their proximity to the seat of disturb-has been visited again and again by ance. earthquakes of the most destructive kind. Italy, Calabria, and the entire Apennine places, the valleys are deep and narrow.

On the accompanying map the area devastated by the earthquake of January 13, 1915, is shown in detail.

basin of the former Lake Fucino, together are so abnormal that they arrest the attenwith practically the entire region from which tion at once. A glance at the map will show severe damage has been reported, is included that the lake lay in the center of a nearly within the area, roughly forty miles long by level plain, roughly twelve miles long by twenty miles wide, covered by the map. A eight miles wide, set down, as it were, into few towns outside this area are mentioned the midst of one of the most rugged parts as having been damaged more or less, but of the Apennines. evidently no more than should be expected The rectilinear outlines of this sunken

The earthquake district lies in the very These disturbances have occurred now in heart of the Apennine Mountains, fifty one part of the country, now in another miles due east of Rome. For the most part Scarcely a single locality is entirely free it is exceedingly rough. The mountains rise from them, though some parts have suffered to elevations of 6000 to 8000 feet, while the much less than others. Among the areas valley bottoms lie at about 2100 feet. The most frequently shaken are the "toe" of slopes are very steep and rocky and, in most

EARTH MOVEMENTS IN A SUNKEN AREA

A notable exception to this condition is found in the neighborhood of the basin of The center of the disturbance, round the Lake Fucino, where the topographic features

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loose allu and have interfered seriously with drainage. recent earthquake.

It is significant that the place of origin of earthquake.

"FAULTING" OF THE EARTH'S CRUST

outer shell of the earth. The process, known tains, also suffered severely. to geologists as faulting, is as follows: Owing From the meager reports which have come break, the amount of movement, and the trophe. distance of the point from the place of origin of the disturbance.

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faulting.

alluvium, especially if it is wet, their size upon alluvial lands.

area, cutting as they do across the trend of (amplitude) increases many fold while their the mountains, seem to indicate clearly that frequency diminishes. The loose earth is at some earlier time a block of the mountains shaken together and often thrown into dishas dropped down to form the basin of the tinct waves, much as a plate of jelly might lake. Other evidences, too, such as the very be. As a result of this, earthquake shocks presence of so large an undrained depres- are apt to be much more destructive to buildsion as the old lake basin, and the occur-ings founded upon such loose formations rence of similar though smaller marshy low- than to those which rest upon solid rock. lands to the northwest and west, go to show The significance of this principle will appear that comparatively recent movements of the when we consider the situations of certain of earth's crust have taken place in the vicinity the villages and cities most damaged by the

Although newspaper accounts are somethe recent earthquake should have been what conflicting and uncertain, there is within or immediately around this sunken sufficient agreement to make it clear that area. This coincidence, taken in connection practically every town located round the with the fact that the immediate region is borders of the basin of Lake Fucino was not volcanic, leaves little doubt in the mind either destroyed or badly damaged; that a of the geologist that further earth movements similar fate overtook those on the lowland of the same sort as those which produced the northwest of the lake basin at least to and lake basin were responsible for the recent beyond Magliano dei Marsi; and that nearly all the villages in the valley of Liri River for a distance of thirty miles between Tagliacozzo and Sora were badly damaged It is a well-known fact that the majority and some of them destroyed. Sora, a goodof the severest earthquakes are produced by sized city situated upon an alluvial plain such movements and readjustments of the where Liri River emerges from the moun-

to various subterranean causes, the solid crust to this country it is impossible to determine of the earth is put under stress. The the exact locations of the faults along which stresses keep growing greater until finally the crustal movements took place, but enough they reach the breaking-point of the rocks, has come through to indicate that there were These yield suddenly and move over one an- at least two lines of movement, one along other along the line of fracture until the the sharp, straight mountain ridge just west strain is relieved. This breaking of the of Avezzano, and the other along the west rocks, sometimes along lines hundreds of side of the Liri valley. The reports say miles in length, and the movement of the that "the terrific force of the earthquake broken parts over one another, set up jars cracked the mountains near Luco (Lucco?)," or vibrations which, traveling outward and "Mount Pizzodetta between Balsorano in all directions through the rocks, consti- and Roccacerro was cut in two by an imtute an earthquake. The severity of the mense fissure which is visible at a great disshock at any point on the earth's surface de- tance." These are evidently the surface pends upon the character and extent of the traces of the faults which caused the catas-

It is significant that most of the larger towns in the region are located upon soft Earthquakes also occur frequently in con- alluvial formations: Avezzano, San Benenection with volcanic eruptions, but these detto, Ortucchio, and apparently Cappelle are likely to be more local in character and, and Magliano dei Marsi are all founded on the whole, less severe than those due to upon the alluvial deposits which floor the basin of Lake Fucino and its northwestern continuation; Sora lies on an alluvial plain SHOCKS MORE SEVERE ON ALLUVIAL LANDS in a small basin traversed by Liri River just Earthquake vibrations as they travel after it emerges from the mountains. Withthrough solid rock are, as a rule, not of great out doubt the severity of the earthquake magnitude, but as they pass from rock into shocks in all these cities was greater than it loose formations such as sand, gravel, or would have been had they not been located

A large number of the smaller towns which were damaged are mere mountain hamlets which shelter the agricultural and pastoral population of these rough lands. The custom, prevalent over large parts of Europe, for the peasantry to live in small villages rather than in scattered farmhouses doubtless explains the great number of fatalities in country districts, for the tendency in the villages is always toward building larger houses and crowding more people into each than would be the case if scattered houses were the custom.

Another factor which has always been directly responsible for the enormous num- causing loss of life. Omori, the noted Japanber of fatalities in the Italian earthquakes is ese seismologist, after studying the Messina them of rubble held together by inferior construction of houses. cement with the sidewalls improperly tied played its usual conspicuous part in causing shake down easily or are so light that they modern buildings of structural steel and con- the larger cities, are beset with great practical crete are reported to have withstood the difficulties.

PEOPLE CROWDED IN BADLY BUILT HOUSES shock, while the prevailing structures of brick and rubble collapsed utterly.

The recent earthquake had much in common with that which destroyed Messina and Reggio in 1908. Earth movements in connection with faulting were the cause of both. In the case of Messina the movement took place along one or more of the great faults which pass through the Strait of Messina, and it was along the strait that the greatest damage was done. Both Messina and Reggio are located upon alluvial deposits and suffered much more than neighboring villages founded Finally, the character of the upon rock. buildings at Messina, as in the region recently devastated, was the greatest single factor in the prevailing custom of building the dwell- disaster, estimated that 998 out of every 1000 ings several stories high and constructing who perished in Messina were victims of poor

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The only safety in regions where the earth together. Such structures, in a region where is as unstable as in the Apennines, lies in folearthquakes are frequent, are veritable dead- lowing the practise of the Japanese and con-All reports indicate that this factor structing buildings which either will not the enormous loss of life in the Avezzano do comparatively little damage when they earthquake. In this connection it is signifi- fall. In a country like Italy, where timber cant that in the city of Avezzano the few is relatively scarce, such precautions, except in



RUINS OF AVEZZANO

FINDING BETTER SEEDS FOR THE WORLD'S FOOD SUPPLY

BY B. E. POWELL

(University of Illinois)

[Never before the opening of the present season has there been such intense interest in the yield of food crops, and the whole world will be observing anxiously the question of cereal surpluses in the United States, the climatic conditions under which the great Canadian wheat crop will this year be produced, and, above all, the success of Germany in the national supervision of the agricultural season of 1915. The authorities in the United States, Canada, and Germany have been giving great attention to prolific and valuable seeds, both of cereals and other food crops.—The EDITOR.]

T is conceded, in theory at least, that to be Many interesting examples of the overwell-born is a right. It is known that to coming of unfavorable environment, of curbe nicely hatched-from the ancestral stand- ing bad habits in the plant kingdom, of inpoint—is distinct cause for congratulation, creasing the yields by attention to ancestors,

W2 are now discovering that to give the plants the best available grandfathers is the part of wisdom. Just what are the fundamental laws of inheritance that make for the best products is known only to a limited extent. How-"like produces like" with sufficient frequency to make it profitable to seize upon a noteworthy individual when one appears in the field. And there is no subject to which the mind of man attaches itself more eagerly than this very subject of inheritance.

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Therefore, all over the land scientists are engaged in tying little paper bags over sweetpeas and other blossoms, that no outside pollen may come a-lovemaking and destroy the purity of their cherished strains. It is hoped that underlying laws of inheritance, applicable throughout the plant and animal worlds, may be found. Then, as an instance of what will be possible, an apple with a rosy skin and a Grimes Golden flavor may



SHOWING HEREDITARY POWER TO RESIST ALKALI (Third generation of resistant plants compared with ordinary plants growing in same soil)

and of breeding for a particular content, may be cited. Also plant breeders are forming from their close observations interesting theories of inheritance that may prove right, partly right, or entirely wrong when full knowledge perches upon the banner of application. But right or wrong, they are the result of honest endeavor and worthy of respectful consideration.

A WHEAT THAT THRIVES IN ALKALI

An interesting example of overcoming unfavorable environment comes from Illinois. Under the direction of Dr. L. H. Smith, of the Illinois Agricultural Experiment Station, investigations were carried on that resulted in finding a kind of wheat that would grow in alkaline soils. It had been supposed that wheat would not grow in alkaline soils; and as people who live upon alkaline soils are quite as fond of bread as these who do not, it was distinctly inconvenient.

be produced at the will of the breeder. For The experiments were made with an ordithe rosy apple has the appeal to sentiment nary variety of wheat known as Minnesota that opens the purse, while the Grimes Gold- 169. In most of the pots that were given en flavor has the appeal to the palate that strong doses of the alkali the wheat refused brings the purchaser back to the same market. to grow, or sent up sickly spindling plants

March-5



TWO PURE STRAINS OF TURKEY RED WHEAT AFTER A HEAVY WIND SHOWING THE DIFFERENCE IN LODGING (NEBRASKA EXPERIMENT STATION)

that were a disgrace to the whole wheat familv. But the kernel in one pot was undaunted gested. by the alkali. It grew strong, thrifty, full of promise. Its offspring inherited the same perimentation, next, celebration. By selectpower and handed it down through the gen- ing individual heads of the Turkey Red vaerations. Literally the enemy had been routed riety of wheat and planting in short rows, the on his own soil.

A WHEAT THAT WILL NOT LODGE

fessor C. G. Williams, of the Ohio Experi- mers of the State. What were the results? ment Station, noticed that the farmers of the He did not therefore say, as the old lady did of the rain that spoiled her "praties": up the tools in his laboratory.

will not lodge."

had given that idea a body. He developed bushel increase upon those acres! wheat with so much backbone that it refused to be felled by anything it was likely to meet.

AN INCREASED PRODUCT

means of service.

"Let's increase the wheat yield," was sug-

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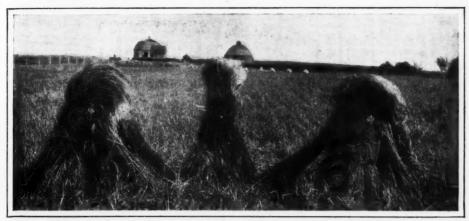
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It was a case of first suggestion, then exbest strains were saved each year for three Then these best strains were sown upon field-plats of one-thirtieth of an acre Again, certain habits of grain that are de- each, and were tested there from three to five structive of profits have been overcome. Pro- years before being distributed among the far-

They were truly astonishing. From the State were losers to a large extent each year improved strains an increase of four bushels through the tendency of the wheat to lodge. to the acre was obtained over whatever strain of Turkey Red the farmers of that locality were using. The average yield from "There's no sinse in it-it's jist the will of eight-acre fields of twenty-one farmers was God." No, he squared his jaw and polished 21.9 bushels for the local Turkey Red and 25.9 bushels for the improved Turkey Red. "Somewhere," he thought, "in the king- There are some 2,000,000 or more acres of dom of Unembodied Ideas is a wheat that wheat lands in the State of Nebraska alone. Just think of how many automobiles could And he did not cease his labors until he honk over the roads as a result of a four-

BETTER SEED-SELECTION METHODS

To what does all this point—these facts which prove that the painstaking application Again, greater productiveness has been of intelligence can actually add to the wheat bred into the seeds. The Nebraska Experi- yield, can eradicate bad habits in the growing ment Station, after preaching soil salvation wheat, as in growing children; can overcome until there no longer was an excuse for the unfavorable environment? Merely that the farmer not understanding the necessities of scoop-shovel as a method of wheat-seed selecthe soil, began to take thought upon other tion has had its day. Other uses must be found for the scoop-shovel. For a long time



TURKEY RED WHEAT ON ILLINOIS EXPERIMENT FIELD, URBANA

(These shocks represent the yields of wheat in 1912 on one of the breeding plots of the University of Illinois. Two strains which have been multiplied from selected individual plants are shown in comparison with the original variety, Turkey Red. For example, the selected strain on the extreme left produced 25.2 bushels per acre, while the original Turkey Red produced 8.3 bushels only; the second selected strain on the right produced 29.5 bushels. Apparently it pays to select and breed the seed with care)

the ear, although it would probably startle the phosphorus content the larger and finer a community to find one who bought his the loaf. As phosphorus is excellent for the wheat seed in the head. But the future has body, let the phosphorus of the loaf be taken that very farmer in its grip, although he may into account at seed-time. Similar things be shaking a rattle right now. The scoop- have been done in the cornfield. shovel in the selection of wheat seed must go -behold, it is the cheat of the harvest, the

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ally of the poorhouse! Older countries, where density of population has crowded inefficiency hard against the bread-line, have found this out. According to a recent report, Germany has forty-six breeders of rye, eighty-four breeders of wheat, sixty-four breeders of barley, and fifty-three breeders of oats. Now that the price of land in the United States is so high. the farmer must get the most possible from it or conduct a losing business. And it is not enough to reverence the soil by returning the phosphorus, nitrogen, and potassium removed by the crop; nor to add to this an intelligent observation of crop rotation; the seeds, no matter how small, must be selected with painstaking knowledge. And when a notable individual appears in the field, its destination must not be the elevator; it must be destined to become an ancestor.

Nor is it enough to consider the harvest merely. "First the blade, then the leaf, then the full grain in the ear," might be amended to read: "First the blade, then the leaf, then the full grain in the ear, and last the loaf upon the table."

From North Dakota comes a study of the "phosphorus content of bread and of wheat flour; and its relation to the baking qualities

farmers have been buying their seed-corn in of the flour." It was found that the higher



BREEDING HAS PLACED THE EARS ON THE STALKS TO THE RIGHT TWICE AS HIGH AS THOSE ON THE STALKS TO THE LEFT



(Each cow of this group gave on the average an eight-gallon can of milk per day for a week. This milk was sold at 10 cents a quart, the income from each cow being \$3.20 per day, or \$16 for the five cows. The total receipts from the five cows for a week came to \$112)

UNCLE SAM'S THREE HERDS OF DAIRY CATTLE

ONE A HERD OF PAUPERS—ANOTHER COMMONPLACE—THE THIRD THE STRENGTH OF THE DAIRY INDUSTRY

BY WILBER J. FRASER

(Professor of Dairy Farming, University of Illinois)

farms.—keeps three immense herds of dairy show how wide and far-reaching this variacows; each herd contains seven million tion is and something of its meaning to the head and occupies a farm the size of the dairy industry of the United States. State of Illinois! One of these herds lacks The poorest third of these cows produced herd of 7,000,000 high producing cows third averaged 5000 pounds of milk and 198 makes the splendid, but not extraordinary, pounds of butterfat annually, returning an annually.

Husbandry of the University of Illinois from price for all items included in her keep. a large and fair comparison of the individual yearly records of over 1000 cows in herds, herds in four different sections of Illinois, tested by this department, in the different it is justifiable to assume that they are fair parts of the State.

TNCLE SAM,—that is to say, that part of individual dairy cows, as this has been of the American population that known for a long time, but were made to h

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\$50,000,000 annually of paying for its an average of 3654 pounds of milk and 134 keep. Another of equal size makes a moder- pounds butterfat annually, each cow lacking ate profit of \$7.85 per cow, but the third \$7.25 of paying for her keep. The middle profit of \$26,82 per head, or \$187,000,000 average profit of \$7.85; and the best third averaged 6765 pounds of milk and 278 This is not a mere guess, but is based upon pounds of butterfat, each cow making an anfacts secured by the Department of Dairy nual profit of \$26.82, besides paying market

As these cows were in commercial dairy representatives of Uncle Sam's cows. Ac-Investigations were not made to show that cording to the last census, the average prothere is a difference in the producing power duction of the cows in the United States was

140 pounds butterfat, while the average production of the 1000 cows tested in Illinois was 203 pounds, therefore, the figures here given do not exaggerate the actual conditions and are conservative.

Using the above figures as a basis for Uncle Sam's herds, the following noteworthy facts are brought

Since each of the three herds contains over 7.000,-000 cows, or more than 230,000 herds of 30 cows each, it will require 230,-

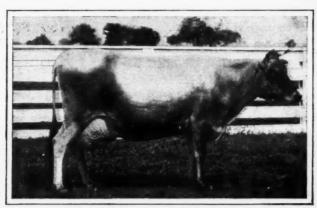
necessary for one of the three herds. These a profit of one dollar. farms aggregate 36,800,000 acres, or 57,500 size of the State of Illinois.

THE FIRST A POOR FARM HERD SQUANDER-ING \$50,000,000

poor herd.

fact that somewhere in the United States, to this business. the members of this poor herd actually exist lessen the tremendous waste one whit.

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A BREAD-WINNER AND A MORTGAGE-LIFTER

000 farms containing 160 acres each (a quar- annually an average of \$15.10 more than ter section being required to successfully han- those in the first herd. Even in this better dle a herd of 30 cows), together with all the herd a man must milk a cow eightybuildings, horses, tools, equipment and labor, two times, or more than a month, to make

Since all but 60 cents of the gain on square miles, equal to an immense farm the each cow in the second herd is taken to make up the loss on each cow in the first, the combined efforts of two cows, one from each of these herds, would earn 60 cents, or 30 cents each annually. In other words, dairy-Some place in the United States, then, men are housing, caring for, and milking the more than the agricultural producing capac- lower two-thirds of the cows in the United ity of the whole fertile State of Illinois is States to make an average profit of only 1/10 being used to support the herd of 7,000,000 of a cent per day on each cow. Each of the poor cows, each one of which is producing 14,000,000 cows in these two herds has to be only 134 pounds of butterfat per year and kept ten days to make one cent profit, or fifty lacks \$7.25 of paying for her board and days (nearly two months) and milked one keep, or an aggregate loss of \$50,000,000 hundred times before the net profit will be each year for the privilege of milking this great enough to buy a nickel cigar or pay a five-cent street-car fare. A man milking a But the dairymen who read this article herd of 50 cows like the lower two-thirds will say that this \$50,000,000 cannot be an of all the cows would make a profit of five actual loss. This criticism does not alter the cents every day he had the courage to hang

Think of the 14,000,000 cows being Because these poor cows are scat-milked each day in the United States that tered, and some of them are in nearly every never did anything to help advance the farm, herd, where the profit from the good cows and never can or will. They are eating up covers up the loss on the poor ones, does not the produce of an area of land equal in producing capacity to twice that of the fertile State of Illinois, and using up all the mental THE SECOND HERD, THE PAUPERS' SUPPORT and physical labor of 1,400,000 men de-Uncle Sam's second herd of 7,000,000 voting their energy to farming this land and cows requires exactly the same equipment in milking these 14,000,000 cows simply to pay every respect as regards land, buildings, la- interest on the investment and ordinary labor, etc., the cows producing a yearly aver- borer's wages, with nothing left for profit. age of 5000 pounds of milk, 198 pounds of If a man houses, cares for, milks and raises butterfat, and making an annual profit of the crops to feed a cow a year for 30 cents \$7.85 each. This herd is a most decided im- profit, he is surely in small business. He prevenent on the first, as the cows in it earn could not be called a Napoleon of finance,

nor a captain of industry, according to the common usage of these terms.

THE THIRD HERD, THE STRENGTH OF THE DAIRY INDUSTRY

Uncle Sam's third herd is composed of 7.000,000 cows, requiring only the same amount of land, buildings, equipment, and labor, but producing on the average 6765 pounds of milk and 278 pounds of butterfat annually, paying for housing, ordinary laborer's wages for all work put upon them, market price for all feed consumed, and leaving a clear profit of \$26.82 each as remuneration for the intelligence put into the business of producing and caring for such

It is this herd that is the life of the dairy industry. If it were not for these profitmaking cows, dairy products would be far higher in price or dairymen would have become discouraged and quit milking cows long ago, which would have cut off the milk supply from mankind. This herd, instead of losing \$50,000,000 annually as the poor herd does, makes an actual profit of \$187,000,000.

A dairyman keeping thirty cows that are but the equal of these will receive interest on his investment in land and farm equipment, pay for all labor put upon the farm and herd, and, in addition, receive the neat little sum of \$805 as clear profit for the brain work put into the business. In other words, he will receive one and one-half times as much actual cash for his brain work as for his manual labor at farm laborers' wages, and this is not by any means the maximum of what dairymen have actually accomplished. Thus, were reasonably good methods employed on the dairy farms, Uncle Sam might be making one and a half million dollars profit daily from his dairy business instead of one-half a million, or a difference of a million dollars a day.

It has been said that the lack of correct agricultural methods is one of the reasons for the high cost of living. If this be true, then dairying, being one phase of agriculture, comes in for its share of responsibility in the matter. One is asked, "Is there any help for this tremendous loss?" and that this can be answered in the affirmative is one of the encouraging features. The remedy is not difficult or complicated. It consists principally of the following: getting rid of the poor cows, filling their places with heifers from following: the best cows and good, pure-bred sires, and,

REMEDY NO. 1

The first step necessary then to make a dairy herd more profitable is to rid it of the lowest producing cows. No matter whether we believe it or not, the vital question of good and poor cows is a living issue confronting every dairyman all the time, and he

cannot get away from it.

There is not a single county, nor even a township, in any State which has yet come anywhere near reaching the maximum possibilities of milk production. The pity of it is that the dairymen and their families caring for these worthless cows are kept so busy with the drudgery of preparing the soil; planting, cultivating and harvesting the crops; housing, feeding, caring for and milking the cows, that they do not have time to pause and consider where this drudgery is leading them. They are struggling with a losing game and after all this hard work is done, the path they are traveling can only lead to financial ruin. This has been the actual experience of many men keeping poor cows. Such a waste of energy is appalling.

If a dairy cow, kept under average farm conditions, does not produce 4000 pounds of milk and 160 pounds of butterfat each year, the dairyman caring for her is losing money every year she is kept, and yet cows producing this amount of milk or less are bred on from generation to generation. When we consider how easy it is to apply the dairyman's yardstick, the scales and Babcock test, to every dairy hero and then realize that less than one per cent. of the two million dairymen in the United States are using this yardstick to-day, it is not to be wondered at that such conditions as those mentioned

Every dairyman should keep a record of the production of each individual cow and those producing less than the above mentioned amounts of milk and fat should be sold at once. Each dairyman should set a minimum standard of production, which should be raised from year to year, and should replace all cows not coming up to this with better producers. Better cows would increase the amount, and reduce the cost of production so that by receiving even the same price for the product, the dairymen would soon be on the road to prosperity.

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above continue to exist.

The value of such tests is shown by the

One herd of dairy cows tested produced last but not least, good crops, feed and care. an average of 5800 pounds of milk and 224 pounds of butterfat the first year. This an increase of 2828 pounds of milk and 100 doubled its profit. pounds of butterfat, the average profit being

\$40.52, or an increased profit of \$23.42 per cow.

REMEDY NO. 2

Raising the heifer calves from the best cows is essential to good dairying, but if the dairyman wishes to be most successful in building up his future herd, this cannot be accomplished unless a good, purebred sire is used. An inspection of dairy herds will show that many times comparatively little attention is paid to the quality of the bull. Like dairy cattle the same as in all other ani-

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produces like with PUTTING CORN INTO THE SILO TO FURNISH A PALA-TABLE AND SUCCULENT RATION FOR WINTER

cows and continues to use a scrub sire, as of pure-bred sires, while, in the same many still persist in doing, he cannot hope locality, six other herds, in which pure-bred to improve the herd or succeed financially, sires had been used, averaged 265 pounds of

seem great, but it must be remembered that graded herds averaged \$3.40 profit per year, he represents one-half of all the qualities, while the cows in the graded herds averaged characteristics, capacity for milk production, \$24.80 profit. Such a difference in profit is and everything transmitted to the calves sufficient evidence of the value of a good,

than will grade cows, and no more economi- with which scrub sires have been used. cal investment can be made by a dairyman is held so close to the eye that it is impossible dairymen say, "This is too expensive." The to see the dollar a little farther off, and this writer has proved by actual feeding trials is just what a man is doing who has a dairy that \$3.50 worth of whole and skim milk herd and thinks he is economizing by buying will successfully feed a dairy calf until it is a poor or even ordinary sire. One may have able to digest a grain ration and thrive withreason to say that he cannot afford to pay a out milk. In the face of such a fact, no big price for a fine cow, but the same argu- right-minded dairyman can say that the cost ment does not apply to the purchase of an of the milk required to raise a good heifer improved bull, because the sire's influence is too great. spreads farther and faster than the cow's. There are four reasons why the dairyman

From generation to generation the succesherd was making an average profit of \$16.60 sion of well-selected sires goes on increasing before they were tested. After four years and intensifying the improvement in the of testing and weeding out of the poor cows, offspring of common cows until within a few the average production was 8628 pounds of years they have practically transformed the milk and 324 pounds of butterfat, making whole herd at slight expense and more than

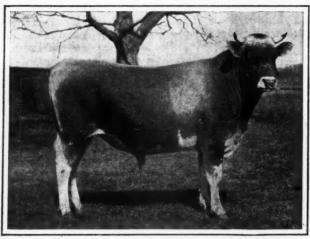
Every man who has had any experience

in the use of a good, pure-bred sire from high-producing dams will agree that he was of peculiar value and great economy in building up the dairy herd and that the investment paid, and that most liberally. The evidence is seen in contrasting heifers from good, pure-bred sires with heifers lacking such percentage, and in the increase of the milk production.

The average production in six dairy herds that have been tested was 175 pounds of butterfat each year where no attention had been

mals. If a man has a herd of star-boarder paid to grading up the herds by the use The initial cost of a pure-bred sire may butterfat per year. The cows in the unwhich are to constitute the succeeding herd. pure-bred sire. On this basis a herd of forty The pure-bred sire is certain to transmit cows from good sires will return an actual more of his characteristics to the offspring profit every year of \$856 more than a herd

Ridding the herds of the poor cows, and than to spend time and money in obtaining using a pure-bred sire, presupposes raising the best one possible. Frequently the penny heifer calves from the best cows. But many



A GOOD SIRE-THE BEST INVESTMENT THE DAIRYMAN CAN MAKE

cows:

base the selection.

Second, the dairyman knows the percent-

unmade the first year of her life, and by some returns for all investment. feeding the calves properly the dairyman is able to develop them to their greatest capacity and secure cows of more efficiency.

largely eliminated.

REMEDY NO. 3

quently been the custom in the past, the \$2100 as net profit from his dairy herd. profits will be greatly reduced and in many combination of which not only increases the profit of \$3200 for the year. milk production, when fed to dairy cows in

different crops as there is in the milk-pro-ducing capacity of different cows. An ordi-dred pounds, or \$1.37 for each cow per day.

narily good crop of corn put into the silo or a good crop of alfalfa hav will furnish more than three times as much food value to the acre as will a crop of oats or timothy hay, and nearly five times as much as blue grass pasture. This means, then, that it a man wants to practise intensive dairy farming, he must reduce the areas of the crops producing a low amount of food value per acre and grow as much corn and alfalfa as is practicable. Where alfalfa cannot be successfully grown, cow peas and soia beans may take the place of it, as they contain nearly as much

should raise the heifer calves from the best protein. By using corn, corn silage, and alfalfa hay, the cows are not only furnished First, from the dairy cow as from no other an economical, but a palatable, ration and animal, an absolute and complete record of with these two crops no concentrates need performance can be secured upon which to be purchased excepting for cows giving large yields of milk.

At the end of a few years the dairymen conducting their business on this basis will Third, the dairy cow is largely made or find the profits derived therefrom are hand-

THE POSSIBILITIES

Where the foregoing remedies have been Fourth, by replenishing the herd with applied, dairymen have shown the possibilihome-grown heifers, the dreaded diseases, ties of rightly conducted dairying by more contagious abortion and tuberculosis, may be than doubling the production of their herds and increasing the profit many fold. Some herds tested have been graded up to average over 9000 pounds of milk and 324 After dairymen have rid their herds of pounds of butterfat, making a profit of the poor cows, purchased good, pure-bred \$42.00 per cow, which is to say, that with a sires, and started raising the heifer calves herd of fifty cows, besides paying for all from the best individuals, there is still an- labor and operating expenses of the farm, other essential,-feed,-to be considered if and the profit on the crops which he would the greatest profit is to be obtained. If a have received had he been a grain farmer, large portion of it is purchased as has fre- the dairyman would have made an additional

One herd tested produced an average of cases entirely eaten up, and thus the time 397 pounds of butterfat per cow a year, each spent in breeding up the herds will be prace earning \$56 above the cost of keep. The tically lost. Crops must be grown, the entire herd of fifty-seven cows made the

Each of the five cows pictured at the proper proportions; but soil values as well. head of this article produced an eight-gallon There is as great a difference in the can of milk per day for a week. amounts of food value per acre produced by from these cows would have brought, at that mi de sta an av TI me

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For the five cows the returns would have been \$6.85 per day, or an income of \$47.95 for the week. Sold as it was at 10 cents per quart, the receipts from each cow were \$3.20 per day or \$16 for the five cows, the extraordinary income of \$112 for the week. In some poor herds, the daily production of ten cows is not sufficient to fill a milk can of this size.

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In order that the possibilities in economic milk production might be made more evident, the Department of Dairy Husbandry started a twenty-acre dairy demonstration, and produced during the past six years an average of 3979 pounds of milk per acre. This is practically twice what the best dairymen, raising all of the feed upon the land, have been able to produce, and was made possible by raising practically nothing but corn and alfalfa, and feeding them to efficient dairy cows, well-housed and cared for.

RESULTS OF GOOD AND POOR DAIRYING

The actual difference in the ability of dairymen to make money in dairy farming is shown by the following data taken from a dairy survey conducted by this department on 317 dairy farms which were operated by their owners. After all expenses of operating the farm, including labor, repairs, and interest on the investment, were paid, the amount left for the owner's personal efforts or each man's labor income was as follows:

				was\$ dairymen	5
ws	s ove	r			5

The labor income of each of four dairymen

The labor income of each of eight dairymer was over	n . \$3000
The labor income of each of twenty dairy	
men was over	
men was over	
The loss of each of twenty dairymen wa	
over	. 500
The loss of each of ten dairymen was over	. 1000
The loss of each of two dairymen was over	. 1500
The loss of one dairyman was	. 1716

As twenty men lost over \$500 each, ten men lost over \$1000 each, and one man lost \$1716, the possibility of losing money in dairy farming, when not properly managed, is clearly shown, and these losses mean that these men not only worked for nothing and boarded themselves, but actually paid for the privilege. However, it is encouraging to know that the labor involved in making the profit of \$5000 per year in dairying is practically no greater than that expended when \$1500 is lost, and as each of the best eighty made over \$1000 profit per year, each of the best four made over \$4000, and each of the best three made over \$5000, there is no question as to the possibility of making money by dairy farming. The satisfaction to be derived from these gains is great, and the encouragment received pays liberally for the energy expended.

Any man who speaks lightly of the great difference in the final results of keeping good and poor cows, and raising good and poor crops, shows only his ignorance of the height or depth to which these factors can take a dairyman and his family.



CORN AND ALFALFA-THE MILK-PRODUCING CROPS

MILLIONS FOR FARM ANIMALS' HEALTH

BY CHARLES FREDERICK CARTER

break of foot-and-mouth disease last fall. Stock-yards. Once the yards became inits command that may be needed to protect of fact, the epidemic did spread in an inthe food supply, the public health may be credibly short time to sixteen States, reachconsidered safe.

THE DEADLY FOOT-AND-MOUTH DISEASE

of all diseases that afflict cattle, hogs, and maladies. sheep, it is also the most persistent. Although it has ravaged herds and flocks for 2000 years, neither cure nor preventive is known; sanitary system, the foot-and-mouth disease received at the Chicago stock-yards. loss amounted to \$25,000,000.

THE OUTBREAK OF 1914

to New York, Pennsylvania, and Maryland quarantined. before the Government got the upper hand.

ONSUMERS of meat and dairy prod- in southern Michigan, though how it was ucts should take comfort from the re-introduced there is not known. Shipments of markable extent and efficiency of the facili- diseased hogs from this region which passed ties for safeguarding the health of domestic through Chicago are believed to be responanimals displayed in dealing with the out- sible for the infection of pens in the Union For, so long as a standing army of scientific fected there was danger that every shipment specialists is maintained on a perpetual war of live stock through Chicago might pick footing, with all the millions in money at up and spread the contagion. As a matter ing from Massachusetts to Washington and from Wisconsin to Kentucky. There seems to have been a little delay in diagnosing the While the epidemic is no longer wide-first cases, which may be understood when spread, it would be rash to say that it it is known that even official inspectors has been entirely stamped out; for, besides have been unable to distinguish between being the most contagious and destructive foot-and-mouth disease and less dangerous

PROMPT ENFORCEMENT OF OUARANTINE

Not until specimens sent from Michigan and the disease almost defies control. It to the Bureau of Animal Industry at Washcost France \$7,000,000 in 1871 and Great ington had been examined about mid-October Britain \$5,000,000 in 1883. Notwithstand- was the disease recognized and the peril ing Germany's exceptionally good veterinary realized. Simultaneously infected cattle were broke out in that country in 1887 and raged order of the Bureau of Animal Industry the uninterruptedly for ten years, affecting an stock-yards were at once quarantined and aggregate of more than 3,000,000 cattle, a corps of 150 inspectors was set to work nearly 4,000,000 sheep and goats, and to trace and disinfect every car in which 1,200,000 hogs. In the single year 1892, infected cattle had been received. Diseased when the epidemic reached its height, the animals were killed and buried in quicklime, others were isolated till they could be given a clean bill of health, then slaughtered. When the yards were empty a thou-Thanks to good management or good luck, sand men set to work to disinfect every or, perhaps, to both, the scourge has never square inch of the thirteen thousand pens become as thoroughly established in America and the twenty-five miles of troughs with as it has in European countries, although a 5-per-cent. solution of carbolic acid. Rats it has appeared here six times, each recurring and pigeons were exterminated, for they attack being more serious than the last. The carry the disease. Similar action was taken fifth outbreak, which was in 1908, originated at Kansas City, Buffalo, and other markets in Michigan from infected vaccine virus where the disease appeared, and every loimported from Japan. The disease spread cality in which it broke out was rigidly

Cats, dogs, and poultry are condemned The recent outbreak also appeared first to death as disease-carriers on all infected

calves and pigs; litter from infected barn- as quickly as possible all herds in which yards may start an outbreak miles away. the disease has gained any foothold and The contagion may also be carried in the bury the carcasses in quick-lime under at clothing of persons coming in contact with least five feet of earth. Owners are reimthe disease. Quarantine regulations, there-bursed at values set by State appraisers, the fore, include all persons on infected farms, expense of condemnation, quarantine, and Even schools may be closed to check the disinfection being divided equally between spread of the contagion. Veterinarians and federal and State governments. others whose duties require them to visit affected herds wear rubber coats, boots, hats, and gloves, which, upon leaving, are disinfected.

INDICATIONS

and the animal goes lame. Ordinarily the mortality is from 1 to 5 per cent., though from 60 to 80 per cent, of calves fed on

INFECTED ANIMALS MUST BE KILLED

fection. It is possible to cure the external in death. symptoms, but during the process of trying to cure one sick animal the chances are that WHAT IS DONE BY THE BUREAU OF ANIMAL hundreds of others may be affected. Veterinary authorities of Europe and America

premises. Milk may convey the disease to have been subjected to infection, and to kill

RESEARCHES OF THE ROCKEFELLER INSTI-

One hopeful result of the recent outbreak was that the Rockefeller Institute of Medical Research, which was given a special en-Foot-and-mouth disease, epizootic aphtha, dowment of a million dollars last May for aphthous fever, infectious aphtha or eczema the study of animal diseases, was granted epizootica, as it is variously called, usually permission by the Government to make labattacks from one-fourth to one-half the oratory studies of the virus for the purpose herds in districts it invades, in spite of local of isolating and identifying, if possible, the quarantine. If a stable is infected no animal organism causing the disease. No announcein it escapes. From three to six days after ment of the plans of the Institute will be exposure to infection the animal has a chill, made, however, until the director, Dr. Theofollowed by fever, the temperature some- bald Smith, who, while connected with the times reaching 106 degrees. In a day or so Bureau of Animal Industry, established the vesicles from the size of a hemp seed to fact that a certain species of tick communia silver dollar appear in the mouth, around cates Texas fever to cattle, the first demonthe coronets of the feet, and between the stration of the theory that insects spread There is an excessive flow of saliva diseases, assumes his new duties on July 1.

CONVEYANCE TO HUMAN BEINGS

Besides working havoc with the food supinfected milk die. In Russia, where condi- ply, foot-and-mouth disease may be conveyed tions are similar to those in Western grazing to human beings by infected milk or by the regions, the mortality has been as high as virus coming in contact with open wounds. 70 per cent. The effects of the disease on Less than forty-eight hours after infection animals that recover are such as to make fever sets in, accompanied by twitching of them practically useless. An attack does the limbs, headache, dryness and heat in the not confer immunity; on the contrary, an mouth and itching of the hands. After five animal may have several attacks within a days the tongue and mucous membrane of few months. In any case, it is a source of the mouth swell, sometimes enormously. infection for months after apparent recovery. Yellowish-white vesicles appear in the mouth, bursting in about twenty-four hours. There is intense thirst, and smarting pain follows Foot-and-mouth disease is propagated by any attempt to eat, speak or swallow. In a specific virus, though its germ has never short, the malady is distressing and repulsive been isolated. It is so small that it will and, notwithstanding reassuring official procpass through a standard germ-proof filter. lamations, consequences may be serious. In The most powerful microscope will not de- Dover, England, foot-and-mouth disease as-Inoculation, so successful in com- sumed the proportions of an epidemic among bating other diseases, merely spreads the in- human beings in 1884, some cases resulting

America's comparative immunity from the are agreed that the only way to cope with scourge has been chiefly due to the liberality the disease is to stop all movements of stock, of the Government in spending money to hay, and other material that may possibly protect the health of live stock, which kills

two birds with one stone; for in safeguarding animals the Government protects both the health and the pocketbook of the public. This function is entrusted to the Bureau of Animal Industry, one of the many useful branches of the Department of Agriculture. Under ordinary circumstances the average man hears little and cares less about the Bureau of Animal Industry; yet this modest agency plays a part in the national economy, the importance of which can hardly be overestimated, and which certainly is not generally appreciated.

To quote Dr. A. D. Melvin, Chief of the Bureau of Animal Industry, "while fostering and promoting the live-stock industry in its various aspects, the highest mission of the bureau is to aid the people of the country in obtaining a plentiful and wholesome supply of food of animal origin, such as meat, dairy products, and eggs." To accomplish this mission the bureau employs about 3500 persons and spends more than \$3,000,000

annually.

INSPECTION AND CARE OF MEATS

bureau comes into intimate daily touch with the public. Sixty per cent. of all meat and meat products is produced under the watchtagious diseases.

Division takes up the vigil. Animals about Georgia, Alabama, and Mississippi. oughness of this post-mortem inspection it and money. may be said that in 1911 18,851,930 pounds of meat was condemned. All meat products are prepared under supervision of the bureau.

LIVE-STOCK LOSSES FROM DISEASE

But for the successful activity of the Bureau of Animal Industry in combating diseases of animals steaks and chops would be so scarce that only millionaires could afford them. In the aggregate the annual losses due to diseases of live stock in the United States are appalling. As estimated by the Bureau of Animal Industry these losses are as follows:

Hog cholera	\$75,000,000
Texas fever and cattle ticks	40,000,000
Tuberculosis	25,000,000
Contagious abortion	20,000,000
Blackleg	6,000,000
Anthrax	1,500,000
Scabies of sheep and cattle	4,600,000
Glanders	5,000,000
Other diseases	22,000,000
Parasites	5,000,000
Poultry diseases	8,750,000

\$212,850,000

It is estimated that the meat animals lost annually by disease and exposure, if they could be saved, would be sufficient to furnish a normal year's meat supply for the entire Through its meat-inspection division the population of the New England States.

FIGHTING TEXAS FEVER

To reduce this enormous loss is the chief ful eyes of inspectors of the bureau. Under end for which the Bureau of Animal Industhe law only animals slaughtered on farms try exists. It has many notable successes to or by local butchers for their own trade its credit. The greatest achievement of the escape inspection. Government supervision is bureau was to discover that ticks caused something more than a formality. The bu- Texas fever and then to find a practicable reau's watchfulness begins with the Field In- method of getting rid of the ticks. After spection Division, which inspects live stock eight years of effort the bureau was able to at points of origin, in transit and at market report in 1914 that 30 per cent. of the terricenters, sees that cars are disinfected accord- tory originally infested by these ticks had ing to law and supervises the enforcement of been cleared of them so that it was safe to other measures to prevent the spread of con-release from quarantine some 200,000 square miles of territory, which is more than equal At the packing-house the Meat Inspection to the combined areas of South Carolina, the health of which any doubts exist are means that a vast area where once but little slaughtered under special supervision. Then, beef was raised is now available for that if indications of disease are found, the entire purpose. Cattle-raising offers an added carcass is tanked. All meat undergoes in- source of revenue for the Southern farmer spection after slaughter and not a piece can and an extra source of meat supply for a be shipped until it has received an inspector's market that needs it. The total extinction mark of approval. As indicating the thor- of the tick is now only a question of time

INOCULATING AGAINST HOC CHOLERA

Another notable achievement of the bureau As the result of more than twenty-seven resulted from studies of hog cholera, pursued thousand laboratory examinations in 1913 for a number of years. The investigation it can be said that no illegal preservatives or proved that the disease was caused by a coloring matter are used in these products. micro-organism so minute that its form or structure cannot be determined by the micro- that they killed 300 cattle, mules, and horses scope. The next step was the production of outright, largely prevented field work, caused a serum which prevents the disease. This many runaways, and reduced milk producserum has been patented and assigned to the tion more than half, have been studied with free use of the people of the United States. a view to their extermination. Every State has been notified of the discovery much for the future.

OTHER ACTIVITIES OF THE BUREAU

been distributed in the last fifteen years, re- peril. ducing the loss to less than 1/2 of 1 per cent.

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of dairy herds are tuberculous. This dis- was made by a scientist in the employ of the covery has resulted in the removal of more Bureau of Animal Industry, who has now than a hundred thousand infected animals, gone to another branch of the public service. an achievement of the utmost importance to of other animals.

the bureau. Sheep scab and cattle mange animals afflicted with rabies is dangerous. have been eliminated in more than 135,000 so bad in 1912 in a part of the Southwest year.

The bureau has worked out the life hisand urged to undertake the manufacture of tory of the stomach worm of the sheep, a the serum for the benefit of the farmers. A parasite that causes a loss of millions of dolmajority have acted on this suggestion and lars. This information is the necessary considerably more than a million hogs have foundation on which preventive and remedial been given the protective inoculation with measures must be based. Similarly, the satisfactory results. This is only a begin-discovery of the gid parasite in sheep is exning, to be sure, but results obtained promise pected to lead to a remedy. The fact that tapeworm cysts are common in the muscles of the sheep has also been established. These cysts render the mutton undesirable as food, Blackleg in former years caused a loss of and mean a heavy loss to the sheep growers, 10 per cent. of calves in certain regions, but it is a great comfort to consumers of The bureau perfected a protective vaccine, mutton to know that meat inspectors will of which more than 17,000,000 doses have now be on the alert to guard them from this

The discovery of the hookworm and its Bureau investigations show that 5 per cent. extensive distribution in the United States

The bureau is also conducting a study of public health and of no less economic impor- rabies. The prevalence of this malady, elimitance on account of the menace to the health nated in England and Argentina by banishing most of the dogs and by the relentless Another recent achievement is the develop- enforcement of laws for the control of the ment of a greatly improved test for glanders, remainder, may be surmised from the fact making it possible to diagnose that danger- that the various Pasteur Institutes in Amerous disease promptly and accurately. Many ica treat upward of 1500 cases a year, while thousands of doses of mallein are furnished deaths from hydrophobia amount to more annually for testing mules and horses for than 160 a year. Unless the Pasteur treatment is used in time one person out of five A large proportion of the 200 species of bitten by mad dogs develops hydrophobia, insects that commonly attack domestic ani- which invariably terminates in a horrible mals have been made the subject of study by death. Furthermore, meat and milk from

These are but a representative few of the square miles of territory formerly quaran- activities of the Bureau of Animal Industry tined on account of these pests. The heel fly, which in the aggregate result in the saving which transmits blood diseases, including the of scores of millions of dollars' worth of deadly anthrax, and stable flies, which were property and hundreds of human lives every



THE CORONER: A STORY OF POLITICAL DEGENERACY

BY H. S. GILBERTSON

[This article discusses a question of great interest in many States,-Why is the Coroner? The New York Constitutional Convention may attempt a solution of the problem.—THE EDITOR.]

coroner. Decay has been consuming the in- cumstances. stitution through a score of generations, till it has become an all but useless public charge. The truth of this general statement New York City recently made by the Commissioner of Accounts at the direction of Mayor Mitchel. After examining under oath 390 witnesses the Commissioner reported in terms of unqualified condemnation portant function of medico-legal inquiry to a violent or suspicious death.

keeps its elective character inbedded in the In some States, to be sure, the coroner "right."

IN politics, as in biology, there is a dis- who have been attempting to sell liquor integrating process so constant as to within two miles of an agricultural fair and merit the name of law. Public institutions, to assist in the arrest of criminals attempting failing to keep pace with their environment, to escape from the penitentiary. In most or deprived of the purifying sunlight of pub- States, too, he is the understudy of the lic opinion and public interest, droop, wither, sheriff and may act in his stead in certain and mortify and become a menace to society cases. But his chief function is to act as and public health. In the world of local the original inquisitor into the causes of politics the star degenerate is the office of death by violence, or under suspicious cir-

Knows Little Medicine and Less Law

For the latter and extremely important has never been so strikingly illustrated as in duty the majority of coroners have not the the investigation of the coroner system in slightest qualifications. Every lawyer knows what shrewd and skilled investigation is needed, beginning immediately after the commission of a crime, to secure a complete chain of evidence against the guilty party. But the coroner is rarely, if ever, a lawyer. the elective system which entrusted the im- In a large proportion of cases the causes of death are not apparent either from a superplumbers, marble-cutters, undertakers, paint- ficial examination of the body or from the dealers, saloon-keepers, and mediocre physiquestioning of witnesses. So that it then becians, several of whom testified, with a straight comes necessary to resort to autopsy, and face, to the sufficiency of "horse-sense" as a frequently to microscopical, bacteriological qualification for fixing the responsibility for or chemical examination of the organs. This requires the services of a highly skilled The constitutions in most States have pathologist. But a coroner is almost never vested the coroner with a mysterious impor- that. And since it is virtually impossible to tance, which the public fails to comprehend, find the needed medical and legal skill in a but takes in such good faith that it not only single human being, it is customary to split permits the continuance of the office but the difference and give the job to a layman!

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fundamental law as an inalienable popular must be a medical man, but too often his certificate works to conceal his actual inca-The great anomaly about the office is its pacity. Even the special provision in some weird combination of functions, harking jurisdictions, for the appointment of a coroback to simple Saxon days when there was ner's physician is apparently no guarantee of no science of medicine and only the germ of proficiency, since the coroner, if a layman, or the common law, and the "Crowner" was even an inferior physician, has no apprecia-the general handy man of the King. Im- tion of the highly specialized skill required ported into America by the English colo- in his subordinate. And so it happened that nists, the officer has been a catch-all for un- the coroner's physician in a large Western classified duties, as, for instance, in Ohio, city confessed, with perfect good grace, that where we find him obliged to arrest persons he had never looked into a microscope; and

sive inefficiency. The coroner's blunders plete investigation and "fake" the death cercarry with them a terrible seriousness which tificate, or to lay the victim's death to "some none but the part of the public that is di- natural cause, the nature of which is unrectly involved, has come to appreciate.

to Escape Justice

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"track" that every criminal leaves; and if impunity! the chief training of the coroner has not been in the detective business, but in the plumbing trade, or in mixing drinks at a saloon bar, cal evidence.

posite political parties are in control, the long run the public foots the bill. danger that a criminal will escape through the fingers of Justice is serious indeed.

The inefficiency of the office is most

a certain coroner's physician in New York empty bottles. In New York alone, out of City, entering the morgue for the first time, the hundreds of homicides that are committed remarked that, in his case, "Tammany Hall annually not more than one or two a year had mistaken an orator for a pathologist." are laid to drugs. It is so easy for an ig-All this implies no mere piece of expen- norant or lazy coroner to stop short of a comknown to the jury!"

But does it seem likely that the clever The Coroner's Negligence Helps Criminals denizens of the underworld are unaware of this negligence? And is it at all improbable that the administration of the coroner's office, In the large centers of population the by negligence at least, is a promoter of murcoroner's office is an important factor in the ders? A leading pathologist testified in the administration of criminal justice. Mr. New York investigation that, so far as the Burns has made the public familiar with the work of most of the coroners and coroners' responsibilities of apparent trifles in de-physicians was concerned, the crime of intermining the authorship of crime, of the fanticide might be practised in that city with

Making Insurance Frauds Easy

The growing popularity of life and accior even in the more dignified practise of dent insurance within recent years has medicine, it will readily be seen how natural greatly increased the need of exactly deit is for him to move a piece of furniture termining the cause of death, for the border from its original position, thus possibly ob- line of symptoms as between natural causes scuring the direction of a bullet, or to ob- and violence, so far as external evidences are literate some other equally vital bits of physi- concerned, is often extremely indistinct. A fatal illness may be directly traceable to a In the handling of the inquest the un-fall which took place months previous, or trained coroner is so likely to introduce testi- to a variety of other conditions and circummony which will give the defense a chance stances. It is not enough to say, "the man is to manufacture perjured evidence, that it is dead; that is all we need to know," for the customary, at least in New York City, to whole structure of the accident and casualty, have a representative of the district attorney and to a somewhat less extent, of life, inon hand at every inquisition to prevent such surance business depends upon administraaccidents. For, as an assistant district tive methods which are exact. Unless this attorney recently said, "the coroner does is the case, and if the companies are always nothing which must not be done over again, in imminent danger of being called upon to for he cannot be trusted to do anything pay large fraudulent claims or to enter upon When it happens that a close co- prolonged and expensive litigation, the cost operation exists between the two offices, the of insurance is increased to neutralize the cause of justice runs smoothly, but when op- effects of the fraud or carelessness. In the

What, for instance, happened in the fol-

lowing case?

A merchant of about forty years of age is markedly shown in the investigations of found dead in a bathtub with the water poisonings. This is natural, since poisons are turned on. The coroner is secretly notified more difficult to detect than any other agency and he appears on the scene in person (which of violence. Some of them leave almost no is unusual), with the coroner's physician. trace at all and nearly all of them reveal Together they proceed to the investigation, their presence in the body only after a chemi- asking questions of everybody, examining the cal test. And yet, in spite of these known surroundings and the body of the dead man. facts, there are coroners and coroner's phy- To make sure that there has been no poisonsicians who deem their duty well done when ing, they smell the man's mouth for prussic they have questioned a few interested wit- acid. And they write out this enlightening nesses and searched the surroundings for statement of the cause of death: "Asphyxia;

quest pending.'

affairs shows him to have been heavily in- ultimate consumers, who hold their policies. volved. Large issues hang upon the detopsy, which the law allows and expects, the cause and symptoms of disease. would have cleared up the mystery, but this for some reason was omitted.

How a Good Coroner Might Promote the Administration of Justice

her father. persons attacked the man and were about to divided up into districts, regardless of the scene and arrested him. To all appearances there was appointed by the Governor a medihe was headed straight for the electric chair. cal examiner and an associate who, in the Then Providence intervened. The coroner's language of the law, must each be an "able physician in this case was not content with and discreet person learned in the science of external evidences and so decided upon an medicine." These medical men were exautopsy. He opened the little girl's larynx pected to perform only the work for which and found a wad of chewing gum! The they had been trained and the judicial funcusual slipshod administration of the coro- tions were turned over to magistrates of the ner's office would have sent the father to local courts. So successful has been the his doom.

the enormous possibilities to humanity of combated in a legal action. proper administration of what are now the coroner's functions. be eliminated, the premiums could be greatly possible in that State to abandon the coroners

found in a bathtub filled with water. In- reduced. From the insurance case cited above in which the fixing of liability for pay-Previous to that time the man has never ment depended upon the skill and integrity been ill and has proven so good a risk that of a single public official, one can form some the life-insurance companies a few weeks be- vague notion of the magnitude of the public fore have issued him policies aggregating interest in exact vital statistics. The insurover \$300,000; and yet his family physician ance companies, however, have not been agclaims to have been treating him for harden- gressive in changing the system, but have ing of the arteries! An examination of his been inclined to shift the burden upon the

Good administration, too, would be of intermination of the exact cause of death. Did calculable value to medical science. At the he die from natural causes? If so, his heirs present time the statistics of the coroner's are entitled to collect upon the policies, but office throughout the country are regarded the has committed suicide the insurance by trained investigators as practically worthcompanies, under the terms of the policy, less. On the other hand, the general run of are not liable. One would suppose that cases of death by natural causes are not subunder these conditions the coroner would ject to compulsory autopsy and only in rare not rest until he had discovered the cause of instances is a post-mortem examination made. death beyond any possibility of contradiction. And so, the data which comes within the But in fact he did nothing of the kind. Not purview of the public investigator could be one item of competent medical evidence was made to yield a rich mass of scientific masubmitted at the inquest. A thorough au- terial upon which to base conclusions as to

The Massachusetts System,-Medical Inspectors Appointed by the Governor

A few States have recognized their opportunities. Massachusetts is the most con-Contrariwise, the innocent reap the benefit spicuous of these. Forty years ago that of good administration, as in this instance: State suffered acutely from the coroners. In A little girl was found strangled to death in Boston alone there were forty of them sepaa crowded foreign district. There were rately elected, every one an incompetent polimarks upon her throat, as from violence. tician, or worse. In every way the situation The only other person in the vicinity was became intolerable and the demand for bet-Superficially, the case was ter things got recognition. The whole elecclearly one of murder. A crowd of excited tive system was wiped out. The State was lynch him when the police came upon the existing local units, and for each district operation of this plan in the Suffolk district The good work done by the coroner's phy- (Boston) that the findings of the medical sician in this case gives but a mild hint of examiners there have never been successfully

From time to time the Massachusetts sys-Those familiar with tem has been adopted in the other New the legal departments of the life and acci- England States, with slight modifications, exdent-insurance companies testify that if the cept in Connecticut. New Jersey also has possibilities of fraud in the cases which are a good system in its larger counties. Because now the subject of public investigation could of constitutional restrictions it has been imonly looks into the causes of violent and sus- of Syracuse University. picious deaths but serves as a medical adviser training could properly be substituted.

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What Shall Be Substituted for the Coroner's Office?

has been especially great in the fields of bac- may well be made the medico-legal officer. teriology and microscopy.

entirely, but they have been so largely the splendid laboratories at Bellevue Hosstripped of their powers that their existence is pital. In the county of Onondaga, N.Y., an more of a nuisance than a menace. The enlightened coroner, already, without comreal power of investigation has been con-pulsion of law, has appointed as his "coroferred upon the county physician, who not ner's physician" the pathological department

In the country districts and small cities, or expert in the criminal courts. His testi- especially in the large States, the problem of mony is taken as the last word on the techni- reform is more difficult. Fortunately, howcal matter at hand, and the lay jury must ever, the number of their violent and susaccept it as such, just as it might take the picious deaths per capita is very much lower rulings of the judge on technical legal mat- than in more densely populated communities. ters. Both in Massachusetts and in the But the need for careful investigation in indilarger counties of New Jersey, the tendency vidual cases is quite as great. The most has been to retain these medical men for hopeful solution would probably be to do long periods of time. Every year they be- away with the coronership entirely and recome more and more valuable to your com- quire the governor to appoint for the whole munities by reason of their accumulated mass State a chief medical examiner who might, in of experience, for which no amount of formal turn, appoint as many assistant examiners as were needed to cover cases arising in different sections of the State.

Some such program as outlined would do much to pave the way for a complete revision The question naturally arises as to of our methods of inquiry into medical facts whether the Massachusetts system could be in both civil and criminal actions. The fake extended to other States to advantage. Un- "expert" and "specialist" has had things far doubtedly it could, but it is capable of im- too much his own way, and even the most Within the past forty years honest and capable medical witnesses have medical science has been so completely revo- often been beset with temptations in having lutionized that if the Massachusetts law were to appear in court in behalf of one side of a to be taken literally and not administered in case. The leaders of the medical profession accordance with modern standards of pro- look forward to the time when medico-legal fessional proficiency, the medical examiner inquiry will take on the character of a search system would be a poor substitute for the after the truth rather than an effort to make coroners. Medical advance, so far as the out a case for a client. In that event the methods of scientific inquiry are concerned, medical examiner, replacing the coroner,

But the consummation of that program In larger cities, therefore, it would be will be difficult. Many people find the necessary to appoint a physician having more coroner a very present help in time of trouble. than a general medical education. A city Perhaps it is the district attorney himself should, in the first place, select one who has who wants to "put over" something which specialized in pathology and has accumulated no honest and well-trained magistrate would a wide experience in the practical investiga- countenance. Criminal medical practitioners tion of causes and symptoms of diseases, find in the coroner a haven of refuge; un-Such a man, once found, should be thor- scrupulous undertakers an avenue to lucrative oughly equipped with laboratories for bac-trade; "shyster" lawyers an unfailing source teriological and other forms of special exami- of valuable special information. And finally, nation. In many of the larger cities the ma- there is the politician, who is the broker of chinery for such an organization on these these different kinds of privilege, in addition lines already exists in the local medical col- to the considerable patronage which goes with leges and hospitals, and if their facilities were the office. Before the coronership can be utilized would have the additional advantage abolished, these beneficiaries will have to be of supplying the young men enrolled in medi- placated, or exposed. But the result will be cal study with the original facts and con- worth any effort it may require to rid politics ditions of disease. New York City, if, and of a flagrant source of inefficiency, if not corwhen, it shall be able to discard the present ruption, and to simplify, by just so much, the coroner system, will be able to make use of citizens' task at the ballot box.

March-6

THE IMPROVED OUTLOOK FOR COTTON

BY RICHARD SPILLANE

The great depression of last year in the crop. cotton industry of the world was considered financial pools, and other devices.

an agricultural crop grown on American soil, ster crop than seemed possible. It will not Never were there more frantic efforts to get enough to pay the cost of production, provide methods of relief.

THE NATURAL SOLUTION

To-day, only a few months after the period \$135,000,000 loan fund has been taken. of most intense agitation about the plight of the South, the cotton problem has ceased to be much of a problem. It has provided absurdity by the restrictions placed about desperate. the lending of the money by the managers of the fund. The "Buy-a-Bale" movement has per cent. of the American crop. improving rapidly.

disorganized, finance more deranged and competitors. tangled than ever before, industry the world

 ${f T}$ HE cotton crisis is settling itself. In over crippled, and the South smothered fact, the past tense might be used, for under such an unprecedented avalanche of the crisis is practically over. Nothing com- cotton, the idea prevailed that there could mercially that has come out of the complica- be no advance in values until restricted tions into which this country was thrown planting this year should indicate that the by the European war is more surprising than immense surplus of the 1914 crop would be the manner in which this has come about, needed to make up the shortage of the 1915

Despite all the things that were against in an article on "The Cotton Crisis at Home it, the price of cotton has gone up,-not a and Abroad" which I contributed to this little but considerably. It has not been a REVIEW in November. At the same time, spurt but a steady rise. It has advanced in reference was made to the various artificial the face of real and artificial obstacles in a attempts to relieve the situation, such as the way to confound the most experienced men "Buy-a-Bale" movement, "Cotton Day,"- in the trade. Now, half of the crop has for the encouragement of the use of cotton, been disposed of by the farmers. The weight -efforts at State and Federal legislation, of the crop, which was crushing not long nancial pools, and other devices. since, is getting lighter each day. The Never was there more commotion over South will get far more money for its monbut the South will have the great satisfaction of having financed itself in its time of greatest stress. Scarcely a dollar of the

EUROPE TO THE RESCUE

It was Europe that brought the disaster its own solution through natural laws. The to the South and it was Europe that came to \$135,000,000 loan fund has been made an the rescue when the situation was most

America usually consumes nearly forty been relegated to the lumber-room of Ameri- Europe in the throes of war, the expectacan freaks, and the farmers and the shop- tion was that American mills would increase keepers, the bankers and the business men their output, broaden their markets, need of the South are beginning to see a chance of more cotton and help in a small way to winding up this cotton year with far less lessen the tension on the cotton grower. of ruin and disaster than they expected or The contrary has proved true. American feared. They are not asking for help and mill takings have been the smallest in years. they need none. They are learning some- The American mill stocks on hand to-day thing about economy they never dreamt of are little more than two-thirds of what they before, and while they have been learning, were a year ago and the indications are that the conditions attending cotton have been when the American spinner does purchase his raw material in volume he will have to With most of Europe at war, sea traffic pay far more for it than have his foreign

The Japanese were the first to do any

the exchanges of the world were closed and did the thing they knew was best. They conditions in the South were so chaotic that got money from their banks and transferred there was no parity, no established basis of it to this country. It must have been diffivalue, cotton selling in one county or one cult but they did it. Then they came in State at one price and in another State or person or sent agents to America. Some of county at a radically different figure, some them arrived before the New York Cotton Japanese buyers got busy in Texas. There Exchange reopened, and some later. Cotare records of cotton being sold at five cents ton was very low. They bought sparingly a pound, and there are reports of some being at first because it was almost impossible to sacrificed for even a smaller sum, but this arrange for shipment. was only where the grower was in acute financial distress. The crop of this season New Orleans exchanges, there was a decline in Texas is extra good as to staple. The in prices, but the Southern spot markets did Japanese thought the time was opportune not sag so much as did the market for They bought thousands and then tens of futures. The buying of the foreigners was thousands of bales. They paid as high as being felt. Gradually a change came over eight cents a pound, although in other States the situation. Prices of spots and futures cotton was selling at less than seven cents, advanced a little, eased off, and then stiffened and in some instances six cents a pound. again. Purchases in the spot markets of the Their purchases exceeded 100,000 bales. South increased. As they did so a buying That is not much in a 16,000,000 crop, but of futures by the foreigners developed, and

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not friendless. make purchases for them because the cable tons net should carry 12,000 bales. The whole cable system was undependable. Liverpool. In addition there was a still greater element to disturb them. They knew of the failure of various American cotton concerns that livered in accordance with their needs.

HOW THE EUROPEAN MILLS GOT THEIR SUPPLY

lapse of the machinery of business, they mine, a ship is a thing of marvelous profit. could not take chances. They considered One thing that should be made clear is that

considerable buying. In the days when all the subject in all its phases and then they

With the opening of the New York and

it was evidence to the South that cotton was week by week it broadened. Cotton advanced a dollar, two dollars, three dollars, About this time various men in the cotton four dollars, five dollars, six dollars and mills of Europe began to worry. They had more a bale. Coincident with this advance stocks of raw material on hand but not the situation on the sea improved. Whereas, enough to carry them through very many almost no cotton was exported in the months They had reports of the price at of August, September and October, there which cotton was selling in the South. It was such a tremendous demand for ships in was so cheap that they longed to get some November, December, and January that of it. Ordinarily this would be a simple freights rose to unheard-of figures. Early operation. All they would have to do would this year the rate from Gulf ports to Liverbe to cable an order to America to buy the pool was \$1.25 per 100 pounds. That means actual stuff or, better still, purchase options \$6.25 a bale. To Genoa it was \$1.50 per in the New York, New Orleans, Liverpool, 100 pounds or \$7.50 a bale. To Rotter-Havre or Bremen cotton exchanges for dam \$2.50 per 100 pounds or \$12.50 a bale. future delivery. But all the cotton ex- To Bremen \$3.50 per 100 pounds or \$17.50 changes were closed. No business could be a bale. A vessel will carry, generally speakdone through them. They could not depend ing, four bales of cotton for each ton of its on cabling orders to American houses to net capacity. Therefore, a ship of 3000 lines were under rigid censorship, and the would mean a freight of \$150,000 if the delays were exasperating. More than that, cargo was destined to Rotterdam, \$210,000 many cablegrams never were transmitted. if bound for Bremen or \$75,000 if going to

THE QUESTION OF GETTING THE SHIPS

To build a ship of 3000 net tonnage costs had been held in high esteem. They had no in England not more than \$200,000. Many assurance that if they gave orders for the shipbuilders of the Clyde or the Tyne would purchase of cotton the stuff would be de- be pleased to contract to turn out ships of that size for less. In normal times the rate on cotton from Gulf ports to Liverpool, Rotterdam or Bremen is about 40 cents per 100 pounds. Surely these are wonderful In the demoralization and general col-days for owners of ships. Next to a gold

the hold; that is, stowed away as any pack- in 1914. age of goods would be. In the South, the

opportunity to get the rich freights offered in the history of cotton. on cargo to Bremen. To be sure they had North Sea. They had, too, to overcome the what the foreign buyers have been doing. tremendous handicap of sea insurance. They

a rich reward to their owners.

There is no sign of an immediate drop in freight rates. The purchases of cotton by ners had taken 1,844,069 bales. the foreigners who have flocked to America takings at the time of this writing were are so large that, steamers being extremely 1,612,976. Southern spinners made a better difficult to obtain, schooners and sailing ships showing, their 1914 figures being 1,566,000 are being chartered to take cotton to Europe. against 1,530,000 at the same time this year.

5,611,062 on the same date in 1914. On recent events that has not the terror it in-

a ship sailing from a Southern port will January 13, 1915, we passed the 3,000,000 carry more cotton than one from a Northern mark. On February 1 our exports were port. In the North cotton is "rolled" into 3,816,492 as against 6,417,027 to that date

Since December 1, 1914, our exports have stevedores have trained crews who use jack- been on a larger scale than in the same period screws, and work the bales into the smallest of last season. Our port stocks are in expossible space in the tiers they occupy. By cess of 1,500,000 bales. This is 50 per cent. the Southern method of "screwing" cotton greater than normal, and the amount on a ship carries possibly 10 per cent, more in shipboard waiting clearance in February bales than by the system in vogue in the approximated 500,000 bales, or nearly 100 per cent, more than at the same time last When once the turn came everything season. It seems reasonable to predict that seemed to conspire to help the South. The our exports this year will exceed 6,500,000 British Government surprised the world by bales, and if the present ratio of gain is taking cotton out of the list of contraband maintained it will be 7,000,000 bales. The and declaring that it would not interfere foremost American authority now predicts with cotton shipments in neutral bottoms to 7,500,000. On February 1, vessels carry-Germany. Immediately owners of ships of ing 129,993 bales of cotton left America. American registry took advantage of the This is the largest export record for one day

The figures of October 28, 1914, and to run the risk of the mines that strew the February 1, 1915, are impressive proof of

How many of these foreign cotton men could get insurance on the vessels from the there are at present in America it is difficult United States Government, but it was an- to estimate. There are at least twenty toother matter to get it on the cargo. But day in New York. Others are scattered they got it.

They are from Bremen, That did not end their troubles, They Ghent, Barcelona, Petrograd, Berlin, Alsace, had hoped to obtain pilots to guide their ves- Genoa,-everywhere, it seems. The amount sels through the channels between the mines. of actual cotton they have bought does not In this they failed. As might be expected show in the reports alone. Some of the in this emergency they took chances. Good stuff they have purchased has been stored luck was with them and the steamships El in warehouses. And they have bought Monte, Greenbrier and Carolyn, arriving futures. One of the foreign buyers is ausafely in Bremen with cotton, almost paid thority for the statement that through the for themselves in the one voyage. In bring- purchases of stuff exported, warehoused or ing back cargoes of dyestuffs and other Ger- in futures, some of them have accumulated man products on which they get freights two years' supply. Against their purchases almost as high as on cotton they are bringing of futures, delivery must be made. That is a great sustaining influence.

Up to this time last year, Northern spin-

American spinners are reported now to THE RAPID RISE IN THE EXPORT FIGURES be buying more freely. They must do so A glance at the export figures is illumi- owing to their reduced stocks. The Amerinating. In the season of 1913-14 our ex- can consumption of cotton last year was ports were 8,800,000 bales. The cotton approximately 5,800,000 bales. The present season is from August 1 to July 31. Up to crop is estimated at about 16,000,000 bales. October 28, 1914, we had exported only If American consumption equals that of last 395,180 bales as against 2,090,000 on the season, and the exports are as indicated in same date in 1913. On January 2, 1915, the foregoing, the surplus will be in the our exports had risen to 2,830,271 as against neighborhood of 3,500,000. In the light of

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THE PART COTTON PLAYS IN POWDER-MAKING

One thing that has not been considered in governments. ferred to the cotton of commerce. Linters is ten to twelve bales of cotton. maker takes these fragments of cotton and commerce. chops and grinds them up into particles so small that not one is more than three one-Three,—those at Karney's Atlantic. Point, opposite Wilmington, Del., and those means 30,000 bales of linters.

ten to twenty times as great as that of army. America. It is possible for Europe to produce perhaps 300,000,000 pounds of powder is made largely of cotton. Even the Highin one year. If linters were used in all this land regiments have had to come to cotton. powder-making it would amount to 600,000 They are reported to be giving up their bebales of linters required by Europe. There loved kilts of highly colored wool for the is a suspicion that Europe is making and khaki which makes them less of a target for using all the powder it can. If that sus- the enemy.

spired back in the dark days following the would not be an excessive estimate to make opening of the war. In fact, it can be for this account. If the powder people have viewed almost with complacency. Its im- not linters at hand they undoubtedly will portance and its value depend upon two turn to cotton. It necessitates more chopthings: the duration of the war and the size ping, but that does not signify if the need is of the next crop. There is as much basis great. Some of the cotton bought by foreign for doubt as to one as there is to the other. agents recently probably will be shot away in rifles and big guns before the war ends. Recent newspaper reports indicate large orders for guncotton for the belligerent

its influence on cotton values is the tremen- It is the gun of large caliber that eats up dous use of guncotton by reason of the war. cotton. In the firing of a 12-inch gun 300 All the powder made in the United States pounds of powder are required. That means is manufactured out of guncotton. The 300 pounds of cotton. One shot of a 12same statement is true as regards Russia, inch gun requires as much powder as 42,000 France, and Germany. About 70 per cent. shots of the rifle an infantryman uses, or of the powder made in England is manu- 150 shots from an ordinary field gun. It is factured out of guncotton. From 50 to 70 in a sea fight that cotton comes into its own, per cent. of the powder made in Austria, however. Theoretically it is possible for a Italy, Sweden, and Norway is made of gun- battleship in firing all its guns to use 5000 cotton. For making powder linters are pre- to 6000 pounds of powder a minute,—that

are the parts of the fiber that adhere to the Linters are used in a multitude of manuseed after the ginning. There are machines factures, and there is a demand for all that not only for cutting this fiber from the seed, are put on the market, so, in a broad sense, but, later, for shaving from the seed what all the guncotton used in powder-making in remains of the fuzzy stuff. The powder- this war means that much less cotton for

REDUCED ACREAGE FOR THE 1915 CROP

hundredths of an inch in length, and then Cotton has profited by the shortage of treats them with nitric and sulphuric acid. wool and flax. Europe depends on Austra-Then, he washes them and gives another lia, South America, and South Africa for treatment to them, this time the dose being much of its supply of wool. To a wool crop of ether and alcohol. That makes powder; none too large the situation in regard to vesand for practically every pound of linters sels added another trouble. Few ships could used one pound of powder is the result. In be spared for the long trips to the South America there are five great powder plants. Atlantic or South Pacific, while there was Two,-those at Dover, N. J., and Indian urgent need for them in the comparatively Head on the Potomac,-are owned by the safe and profitable trade in the North

Cotton is entering into many employments at Parlin, N. J., and Haskell, N. J., are where wool formerly was used. This is owned by private interests. The normal partly because of the scarcity of wool, and output of the American powder mills is partly due to the high price to which it has 10,000,000 pounds a year. The extreme gone. The tremendous amount of wool concapacity is about 15,000,000 pounds. That sumed in the winter uniforms and coverings for the European armies accentuates the Europe's powder-making capacity is from shortage. No material lasts long with an

The summer uniform of the British Army

picion is warranted 450,000 bales of linters Cotton, too, has benefited at the expense of

cient of textiles being nearly one-half of the thought three months ago was likely. If war has been seen. The flax fields have been ton and know little about wheat or corn devastated. The less there is of flax the cultivation. Crop demonstrators of the Demore the need of cotton.

15 was grown on 36,000,000 acres. Within as to diversification, but there are many yet the next forty-five days ground will be to be taught. broken and seed put into the soil in various parts of the South for the next crop. That 1915 vary from 28,000,000 to 33,000,000. there will be a reduced acreage is unques- If the difference is split and 30,500,000 is tionable. Never was there a more earnest accepted as probable it will be the greatest agitation to that end. The arguments and reduction shown in any one season. The the reasons for it are many. Primarily there yield per acre may be abnormally low. is the great carryover from the present yield, Whatever the size of the next crop the and the potent influence of the perpendicular world probably will need all of it regardless drop from 12 cents to 6 cents a pound for of how much is left over from the monster cotton. Next there is the high price at which yield of 1914-15. The convulsion brought wheat and corn are selling. Then comes on by the European war has made two the fact that is sinking deeper and deeper into things plain in regard to cotton. One is as the Southern farmer of the hazard of de- to the urgency of its needs and the other pending on one crop.

lowing: The situation is not so bad to-day pedients.

flax. Russia has been the largest producer as it threatened to be, and the grower of of flax, its acreage sown to that most an- cotton is getting more for his crop than he world's total. Northwest France and Bel- cotton should continue the advance in price gium have the reputation of growing the that began in December, the effect unquesbest flax. The river Lys has been called the tionably will be to soften the extreme views Golden River because of its fields of flax. of some persons in respect to curtailment of Along the Lys, and particularly in the neigh- the acres they put to cotton. Another conborhood of Armentières, famous for its flax sideration that counts is that many Southern industries, some of the hardest fighting of the farmers never have raised anything but cotore the need of cotton.

In round figures the cotton crop of 1914among them for years to broaden their views

Estimates of the acreage of the crop of

is that in crises natural laws prevail re-As against these must be set up the fol- gardless of makeshifts and temporary ex-

AMERICA'S INDUSTRIAL AND COMMERCIAL RECOVERY

BY CHARLES F. SPEARE

feel the material sting of it.

prospers, to be sure, from the insatiable for- nah 23 per cent., at Galveston 9 per cent., eign demand for his product at a 100 per and frequently in the last three months of

HE law of economic compensation cent. advance over the average price. But seems to read that the United States then 100,000,000 of people have to add 50 must benefit in its commercial pursuits per cent, to their flour bill, and the Southern and in the advancement of its financial influgrower of cotton must deduct 50 per cent. ence so long as the European war lasts, for from the value of his year's crop, while the this is the line along which there is least re- reduction in his purchasing power increases sistance; but it also carries the suggestion that the mortality of the Southern merchant by when the war is over and the cost of it is from 40 to 50 per cent. The record of failbeing reckoned up and paid for, this country, ures for the entire country has never been so in common with every other country, must great as it was in January. Bank clearings at Kansas City and Minneapolis last year in-Very few, except those who make powder creased an average of 5 per cent., at St. Paul or armor plate, uphold the contention that 10 per cent., and at smaller grain-distributing war pays in a commercial sense, even with a centers from 40 to 125 per cent., but they neutral nation. The farmer who raises wheat decreased at Houston 12 per cent., at Savanthe year were off 25 to 40 per cent, a week able distributor of manufactured products in at various Southern points.

INCREASED FOREIGN TRADE

War, in its early stages, makes for "spotty" sent to feed, clothe and equip the armies op- quantity. erating in Europe.

try was rising to totals never before reached, even in most prosperous years.

a change in the credit status of the country. strengths? The immediate condition is forced upon us, and it is quite proper to get from it what we OUR EQUIPMENT TO ENTER FOREIGN TRADE can, but if the perspective of business gets out history to place itself abreast of Great Brit- bought markets. ain and Germany, the one the money power

n esylogs il gy

foreign markets.

UNCLE SAM AS BANKER

Already there have been suggestions of industrial condition beyond its own area, what we have a right to expect in the The distinctive trade phase in this country matter of division of the trade and bankfrom August 1 to November 1 was the fever- ing of the world with those nations that ish activity of a certain few manufacturing have been in control of both. On one concerns alongside of which were located day in January gold arrived in New York plants operating at from 25 per cent. to 40 from China, from Japan, from France, per cent. of normal capacity. Steadily and from Cuba, and for London account, indiwithout interruption this disparity has been rectly, from Ottawa. Dollar exchange, the reduced and the volume of nearly every line dream of the American international banker, of business is increasing in more direct ratio is no longer a possibility for future generato the gain in new wealth from supplies being tions to consider, but a very tangible present To this date approximately \$125,000,000 of American capital has been The first shock was so great, the lightning loaned to foreign countries because the usual struck so hard, even at this distance from the sources of supplies in London and Paris have battle line, that 150 American corporations, been closed to them. Some of the benefisome of them the strongest in resources we ciaries are Argentina, Sweden, Canada, have, were forced to reduce or pass their divi- Switzerland, Holland, and Russia. It is estidends, involving an annual loss to stockhold- mated that Great Britain has invested in ers of \$125,000,000. At the same time the her colonies and foreign countries the huge tax bill of the country was increased \$100,- sum of \$20,000,000,000. French foreign in-000,000 to meet the deficit in customs re- vestments are placed at \$10,000,000,000 and ceipts and internal collections, and still the those of Germany at \$9,000,000,000. Now, deficit grows. It has now reached \$80,000,- as a protective measure, Lloyd George hav-000 and promises to be \$100,000,000 before ing said that the last hundred million would summer. The postal deficit alone is about win the war, the British treasury has issued \$15,000,000. But so unevenly are the com- an edict to the effect that during the struggle mercial effects of war distributed that, while the gates shall be closed to all foreign applithis heavy toll was being exacted of the indi- cants for loans, other than those associated vidual, the foreign trade balance of the coun- with her in the campaign against Germany. This is one of the most revolutionary poli-

cies ever adopted by the British Government. Most of us are more concerned with the It gives the United States the opportunity permanent effect of the war on American and the entering wedge which she has been business and finance than with the transient without and never could have taken advanbenefits to be derived from it by this country tage of, had she had them, until now. It is of large resources and a neutral place in much more important that we nourish this world politics. We do not care to gloat too seed that has been sown for us here than that openly over the increasing stream of dollars we give up our whole time to the exploitathat comes back from across the Atlantic for tion of trade advantages accruing to us beour bullets and our bandages, but we do cause of the fact that competitors are now want to take every advantage that is legiti- flat on their backs. We can pummel them mately offered to strengthen our trade rela- to our hearts' content without retaliation, tions overseas and to effect, so far as we can, but how will it be when they regain their

Economists in England see plainly what of plumb because of too intense application America can do if she cares to exert herself, to the profits of the moment, the United and already they are crying out against the States will lose the greatest opportunity in its sacrifice by Great Britain of her dearly

It is an axiom that trade follows capital of the world, and the other the so far unbeat- more freely than the flag. The science of

for investment abroad and an unwillingness for them ten years ago. on the part of producers to meet the requirements of the foreign buyer of merchandise. To-day we have, for the first time, the three great requisites to permanent entrance into progress cannot be made in a few months in foreign commercial fields, viz., a huge establishing American markets where they monthly credit balance, which may reach had not been known before. The natural billion-dollar proportions in a year; freedom first thought of the exporter, when it was from competition from the most successful seen that British and German traders would European sales agents, and a large unembe at a disadvantage, was to strike for South ployed plant capacity. More than this, we America. We have been getting only 15 have the reputation of having gone through per cent. of the inbound trade of Argentina the financial crisis of last year without de- and Brazil and 13 per cent, of that of Chile, claring a moratorium, whereas the markets although the exports of Brazil to the United of London and Paris were closed for months States were nearly 40 per cent, of her entire against the outside creditor. It will take sales and those of the other Republics much years for these two great money centers to out of proportion to imports. So long, howlive down the stigma of a prolonged suspen- ever, as this country did not or could not sion of debt payments. Meanwhile, the export dollars to South America her sales reputation of the United States has been agents were at a disadvantage, even though greatly strengthened by the way in which they could speak the language and meet the our bankers anticipated all maturing debts peculiar requirements of credit, merchandisto Europe, and even when exchange was ing, and shipping. quoted at most prohibitive prices they accumulated sufficient supplies to insure the North America with South America has prompt liquidation of all obligations. No been disappointingly small, and critics say other country of similar position can claim that we have once more missed our opporas much.

WHERE WILL AMERICAN CAPITAL GO?

railroad and to her chief cities and prov- bankers unable to help them, and the purinces. Canada has been buying over \$400,- chasing power of their regular customers 000,000 a year here, and if we are to hold crippled, and, in addition, shipping made this trade her securities must find a resting hazardous by an active German fleet in place in the boxes of American investors. South American waters, the trade of the To August 1 last year Great Britain had Republics very nearly collapsed. It is estiloaned the Dominion \$220,000,000, and the mated that imports into South American annual average for several years has been countries since the war began have decreased over \$250,000,000. In the same period she several hundred millions and to Argentina had provided Argentina with \$70,000,000 by \$100,000,000. Those from the United and Brazil with \$35,000,000, and normally States to Argentina and Brazil for five would invest from \$200,000,000 to \$250,- months, August to December 31, were \$17,-000,000 a year in the South American Re- 500,000 compared with \$38,500,000 in the publics. The additional countries into which same period of 1913. To other republics the American capital is most likely to go, both percentage of decrease was about the same. while the English, German, and French markets are closed and thereafter, are Russia, have not been frightened by the temporary China, Spain, and Turkey in Asia. Indi- lack of South American markets. Already

foreign investment which Great Britain and rectly we are now assisting Japan by taking Germany have applied so successfully has back in large volume her bonds held in Gerbeen ineffectually carried out in this country many since 1905, repurchasing them about because of the lack of a surplus of capital 20 per cent. lower than eager Germans bid

TRADE WITH SOUTH AMERICA

Foreign trade is a growth of years. Great

Up to date the growth of the trade of tunity. This is not a fair judgment in the matter. Conditions in South America for a year have not favored any seller of goods. While we may not become the sole bank- Before the war a financial crisis in Brazil ers of Argentina, Brazil, and Canada, we was foreseen, while the effects of overshall henceforth share with others in the extension in Argentina were known to be fruits of those new fields. To-day Canada serious. Being young countries, they grow is absolutely dependent on the United States only as they can obtain new capital. Before for such new capital as she needs. Funds they can buy merchandise they must sell their have already been advanced to her leading raw products or foodstuffs. With their

American exporters and American bankers

age of the present advantage of American December 31. manufacturers in supplying South Ameripared with Great Britain and Germany.

A FORMER "AMERICAN INVASION" OF EUROPE

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so-called "American invasion" of Europe in in financial prestige. 1900 and 1901. We then had large surplus holdings of grain and a very great surplus of manufacturing plant capacity. In 1900 with the exceptions of 1909 and 1910, in them even for the temporary gain offered. nearly twenty years.

THE BALANCE IN OUR FAVOR

their surplus funds home, and \$25,000,000 to now be made.

two branches of the most powerful national \$40,000,000 in interest and dividend paybank in the United States have been estab- ments on bonds and stocks repurchased from lished, one in Buenos Aires and the other European holders. Charges for freight and in Rio de Janeiro, and drafts are being drawn for insurance will be higher, though even direct from these capitals on New York here the reduction in imports offsets to a which formerly went a round-about-way via considerable extent the higher outgoing More sensible exploitation of charges, most of which the receiver of the American goods has been made in South goods at a foreign port pays. In all, a credit America in the last four months than during of nearly one and a half billion dollars is the last five years. A considerable percent-possible for the twelve months ending on

At other times, when all of our I. O. U.'s cans with what they want must result in to Europe were canceled, no one seriously permanent custom for them, even though feared us commercially or financially. The this country will be under the disadvantage American banking system was scoffed at and for years yet of small capital outlays as com- American business methods were under suspicion. To-day both are respected. credit of American railroads has been immensely helped by the recent Interstate Com-Foreign trade opportunities similar to merce decision. In every way we are better those now existing were responsible for the able to hold what we have recently gained

DEMANDS ON AMERICAN EFFICIENCY

The situation is not, however, without the foreign trade balance of the United its dangers and its probable disappointments. States reached the unprecedented figure of It is an American tendency to rush for the \$648,000,000. New York was to take from immediate opportunity or profit and neglect London its rank as the money center of the the field of greater permanent success. One This country was to translate of the most careful students of foreign trade itself immediately from a debtor to a creditor in this country has already given warning position. In the two years following the against "overriding those markets which excess of exports over imports decreased Great Britain and Germany have cultivated" \$150,000,000, and it was not until 1913 that and in which our participation represents it finally surpassed the 1900 figure and ex- "economic waste." There are trade lines ceeded \$692,000,000. Last year the balance that are irresistibly opposed to outside inwas down to \$325,000,000, the smallest, terference. It may not pay to meddle with

It will be after the war and not during its progress that the great test of American commercial and financial policies will be Having in eight months of this fiscal year, made. Then a fair field for all competitors the first two of which produced a debit, es- will be reopened. The nations that have tablished a net credit in foreign trade opera- been fighting each other will not be so extions of \$500,000,000, it is reasonable to hausted but that they can produce in suffianticipate a balance of aproximately \$1,- cient quantity to bid for outside contracts, 000,000,000 for the fiscal year to June 30, and, if what is already taking place among and for the calendar year 1915 of \$1,- neutral nations holds good with industrial 250,000,000, or nearly twice that of 1900. England and Germany, the products of those Supplementing this will be a saving of fully countries will be offered here and in every \$100,000,000 in tourist expenditures, of an-other market of the world at prices which other \$100,000,000 in remittances of aliens, will demand the highest American efficiency for the foreigners are depositors in our postal in production and distribution to meet. This savings banks now, where formerly they sent is the day against which preparation should

LEADING ARTICLES OF THE MONTH

NEUTRAL SHIPPING WAR TIME

N the subject of possible differences beships to roam the ocean at will.

national rules; and these rules are not the released for the civil population. product of any so-called navalism, but have existing precedents. British naval predomitries over these matters is unthinkable. He gard to contraband and the transfer of ships. settled by official diplomacy, provided public The principles underlying the Declaration sentiment will find its basis in facts. of London and its codified rules control the rights of Great Britain in her interference with the shipping of neutral nations.

Germany would be contested.

Since the German Government has detween the United States Government clared that it has commandeered all the food and Great Britain regarding the search of of the country, it must be assumed that every ships for contraband and the transfer of ships cargo of food entering Germany becomes, in from the American flag, Sir Gilbert Parker, effect, the property of the government, which the novelist and Member of Parliament, has has the power of releasing such food for the stated for the New York World his personal use of the civil population, or of retaining it conception of the British case. He begins by for consumption by the military forces. Acreminding his readers that in our own Civil cording to the Declaration of London, condi-War, as also in the Spanish-American War, tional contraband is liable to capture if the United States itself was obliged to search proved to be destined for the armed forces of the ships of neutral powers and to question a government enemy state, unless the enemy sharply transfers that were made from one state shows that it cannot be used for the flag to another. It is a matter of history war in progress. Sir Gilbert Parker calls that neutral nations have always been vexed attention to the language here used,—"canby any attempted limitation of their com- not," not "will not." Germany commanmerce or of the absolute freedom of their deers all the food of the country and there can no longer exist the presumption that the As to the conduct of the British Navy in food will surely go to the civil population. this war, it is controlled, just as other navies Therefore, the burden of proof is on the shipin other wars have been controlled, by interper to show that his particular cargo will be

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Sir Gilbert Parker declares, in conclusion, been slowly formulated and based upon long- that serious trouble between the two counnance in this war, says Sir Gilbert Parker, denies that there is any crisis in the relations affects neutral nations only as well-estab- between the governments, and expresses the lished rules of war have always done in re- conviction that the whole difficulty may be

Government Purchase of German Ships

In Bench and Bar, there is an interesting So far as the recent issue between Great discussion of the "Transfer of Merchant Britain and the United States is concerned, Vessels During the War," by Archibald R. it is not a question of the cargo, but of the Watson, former Corporation Counsel of ship. England has offered to deliver the New York City. In opposition to Senator cargo to neutral ports. It is only the ques- Root, who had denied the legality of the tion of the purchase and transfer of an en- transfer of vessels owned by belligerents to emy's ship that is raised. The right of the a neutral nation in time of war, Mr. Wat-United States Government to purchase in- son maintains that the law, as it stands, gives terned German ships in American ports is ample authority for the United States Govnot disputed, and Sir Gilbert Parker implies ernment to purchase interned German vesthat a bona fide purchase of that kind would sels, providing, of course, such purchases are be recognized by Great Britain as within the bona fide, and not made with an understandrules of war. But the right of these ships, ing that the Germans will be allowed to reif purchased in this way, to carry cotton to purchase at the end of the war. Every Attorney-General of the United States, says

Mr. Watson, and every Secretary of State to be prize in all cases in which they have been for more than half a century past, before transferred by neutrals after the buyers could whom the question has come, has seemed to "In England and the United States the right to agree upon the proposition as stated by Attorney-General Cushing made in 1854, when it was said:

A citizen of the United States may purchase a ship of a belligerent power at home or abroad, in a belligerent port or on the high seas, provided the purchase be made bona fide, and the property be passed absolutely and without reserve; and the ship so purchased becomes entitled to bear the flag and receive the protection of the United (Vol. VI., Opinions Attorney-General,

Mr. Watson also cites an opinion of the Hon. William M. Evarts, who was Attornev-General before he became Secretary of State, to this effect:

The right of Americans to buy foreign-built vessels and to carry on commerce with them is clear and undoubted. . . . As a consequence, an adjunct of this right, that of flying the American flag, cannot be prohibited. If circumstances jus- question: tify on the part of the Consular officers an opinion United States, she may properly fly the flag of the owner's country, as an indication of such ownership and as an emblem of the owner's nationality.

Still later, in the case of the Benito Estenger (177 U. S., 568), Chief Justice Fuller

in France their sale is forbidden, and are declared exposed."

have knowledge of the outbreak of war, says: purchase vessels is in principle admitted, they being in themselves legitimate objects of trade as fully as any other kind of merchandise, but, the practise of fraud being great, the circumstances attending a sale are severely scrutinized, and the transfer is not held to be good, if it is subjected to any condition or tacit understanding by which the vendor keeps an interest in the vessel, or its profits, control over it, and power of revocation or a right to its restoration at the conclusion of war."

According to the conclusions arrived at by the delegates to the International Naval Conference held at London, from December 4, 1908, to January 6, 1909, a transfer of a belligerent vessel to a neutral flag after the outbreak of hostilities would be deemed wrong unless shown not to have been made "in order to evade the consequences to which an enemy vessel, as such, is exposed." This is Mr. Watson's comment on the provision in

Can it reasonably be said, taking a concrete that the sale is honest, and that the vessel has really become the property of a citizen of the example, that a German steamer now lying at her dock in Hoboken is "exposed" to capture by the British? Undoubtedly such a vessel would be "exposed" to capture if "as such," that is, if as "an enemy vessel," she attempted to navigate the high seas. But as a neutral vessel, flying the stars and stripes, she is not an enemy vessel, and consequently not liable to capture as such, nor does the Declaration of London, as we understand it, so provide. Nor, if this be true, can it be said that a valid, unconditional, and complete sale Transfers of vessels flagrante bello were origi- of such a vessel, then proceeding to engage in nally held invalid, but the rule has been modified, neutral commerce, was made to "evade" the conand is thus given by Mr. Hall, who, stating that sequences to which an "enemy vessel, as such, is

CONTRABAND, ABSOLUTE AND CONDITIONAL

as the world has witnessed since the outbreak Revere. of the present war. It is a question that condelphia) for November last, and more re- by special declaration of the belligerents.

THERE has not been for a century past cently an article on "Neutral Rights and so widespread a discussion of contra- Duties" was contributed to the February band and the various issues arising from it North American Review by Mr. C. T.

Each of these articles recognizes the classicerns belligerents and neutrals alike, and can fication of goods formulated by Grotius: be settled only by reference to the recognized contraband,-those articles which are of use canons of international law. Several helpful chiefly or only in war; non-contraband,expositions of the principles involved in the those which are of no use in war; conditional discussion have been published during the last contraband,—those that are useful both in few months. One of these, a communica- war and in peace. The Declaration of London tion entitled "Are Foodstuffs Contraband of which was drawn up by the naval conference War?" by Harley W. Nehf, appeared in the in 1909, added a fourth group to consist of Annals of the American Academy (Phila- those articles which may be made contraband

railways. Among the articles not contraband terms of peace." Mr. Nehf includes raw materials of the texagricultural and textile machinery, precious stones and furniture.

As to the general principle of this classification there is no controversy. It is only when specific articles are added to the list of

At the time of the Peace of Utrecht not a thought was given to copper products, but as

any definite and final agreement on the con- mere fact that contraband trade may have traband list seems to be precluded by the been general with a certain port gives no essential nature of the problem. Conditions ground for action in a specific instance. are changing so rapidly that restriction by

to a belligefent.

contraband list may result practically in a blockade. Precedent in international law is strongly against such an advantage for a belligerent who holds command of the sea. tendency is toward the view that if one bellig-tion is offered for the paralysis that is visited erent decides to shut off the enemy from commerce, an effective blockade must be maintained. A blockade of an effective character is both dangerous and expensive, and the hostile who attempts it is entitled to the fruits of his effort. Any student of warfare can see at a glance the risk attendant upon a blockade of Hamburg and paratively easy, by stopping neutral vessels at to the clash of neutral and belligerent inter-Gibraltar, Suez, t.e English Channel, and the ests. It may at least be expected that some entrance to the North Sea, to prevent any shipment whatever from reaching the Germanic allies. Neutrals, however, can and do insist strongly international law.

In the Annals article, to which we have that the contraband list shall not be extended alluded, Mr. Nehf names, among his illustraunduly beyond the "criterion of warlike usefulness." The privilege must not be used as a tions of contraband articles, saddle, draught weapon against the civil population of the enemy and pack animals suitable for military opera- country. Articles like foodstuffs are noxious only tion. In his list of articles conditionally con- when destined to the naval or military forces of traband he includes foodstuffs, forage, cloth- the foe. A recent instance of this was furnished ing suitable for soldiers, gold and silver, rice shipments to Japan. The most notable exby our protest in 1904 over Russia's seizures of vehicles, vessels, flying machines, fuel, pow- ample, however, was furnished by our controversy der not specially prepared for war, tele- with Great Britain in 1793, when an attempt was graphs, telephones, and material for building made to block all shipments of grain to France in an effort to reduce that country "to reasonable

Jefferson, then Secretary of State, declared that tile industries, rubber, metallic ores, paper, the position that provisions were contraband "in the case where the depriving an enemy of these supplies is one of the means intended to be employed for reducing him to reasonable terms of peace," or in any case but that of a place actually blockaded, was "entirely new"; that reason and usage had established "that, when two nations go to war, those who choose to live in peace retain absolute contraband that difficulties arise. As their natural right to pursue their agriculture, Mr. Revere points out, no two treaties be- manufactures, and other ordinary vocations; to tween different nations agree exactly on the carry the produce of their industry, for exchange, list of articles which shall be regarded as contraband or innocent. With the advance in industry, military necessities have changed. shall be, for them, as if it did not exist."

The character of the merchandise, howa result of our electrical development, these ever, is only one phase of the consideration of have become noxious articles. In the days of contraband. The destination of the merchansailing vessels "naval stores," i. e., resin, turdise has given to belligerents even more pentine, etc., were important items in the trouble than the character of the shipments. contraband list. As the steamship replaced Although belligerents are always inclined to the sailing vessel they lost their illegal char- press their case against a neutral on the merc acter. But in the present war, resin and tur- suspicion that the destination of the shipment pentine are back on the contraband list, not of goods is hostile, precedent is quite clear as naval stores, but as ingredients for ex- upon the point that there must be proof, very strong if circumstantial, that the destination In Mr. Revere's opinion the likelihood of is illegal in order to justify seizure. The

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While admitting that prize-court decisions specific articles might prove highly injurious in general have been marked by a broad equity, Mr. Revere contends that, despite the eventual justice of the prize court, the harm On the other hand, an undue extension of the done to neutral commerce can never be measured by the compensation afforded by belligerents. "Damages may be awarded for The illegal seizures and detentions, but no reparaupon trade. Commerce suffers more through the cargoes that are not shipped than from those that are captured."

Mr. Revere feels justified in the prophecy that something will be done after the war is Bremen. On the other hand, it would be com- over to modify the rules of conduct relating new principle will be added to the code of

WHO WILL PROFIT BY THE WAR?

T is to stamp out the curse of war that in the reservoirs of the United States, and

never to be realized, but, even to the end of the world it will hold true, that anyone who sees great things coming twenty-four hours before the rest of mankind will be put down as a visionary if not a positive fool.

He points out further that no one can calculate or predict what the results of the present conflict may be. For no one can dis- will gain by this war?" the Viscount count the forces that sway peoples.

If material interests alone were to be considered, one might arrive at plausible conclusions, but where the passions enter into play, predictions are well nigh impossible, for peoples are influenced by their passions far more than they are

guided by material considerations.

life the greater the shock consequent upon the abrupt interruption of its accustomed course. In the days of the epic wars the spinning-wheel and the loom continued to work in the villages, for the wool and the flax grew at the very doors of the spinners, and the products were easily disposed of in the markets of the neighboring cities. But in our day a few hours are enough to dislocate the whole order of things, machines stop, manufacturing is suspended, and transportation and shipping are very materially affected, while the working masses find themselves suddenly plunged into a state of distress which was unknown in the less "advanced" age of their ancestors. The modern world is like a house lighted by electricity. One defective wire is sufficient to cause total darkness. The more complex civilization becomes the more it is at the mercy of mere accidents. In proportion as the bonds between nations become stronger, so do the shocks that affect them become more quickly and deeply

This solidarity, he maintains, between peoples is "growing in spite of us. It is not worth while," concludes the due to the conscious act of any man, nor can d'Avenel, "it is also the most difficult to tne will of any man check its growth."

need of petroleum, the oil was overflowing will never think the price too great."

I "our men kill and are being killed, for the producers of cotton in the new world the ultimate object of the conflict now ra- stood helpless before an unprecedented harging is the destruction of militarism." So vest, while the textile mills of the old were writes the Viscount Georges d'Avenel, in the closed for want of raw material. The cur-Revue des Deux Mondes (January 15). rency panic caused by the war extended over Going on to develop his subject, he says: the globe and closed the stock exchanges for months together. This condition of paralysis It is considered by many wise men a dream in national life affects agriculture far less than it does industry. Consequently each country suffers in just the proportion that its population is industrial or agricultural. Germany is clearly in the first class, for she has thrown the bulk of her wealth into industrial development.

In direct answer to the question of "Who

d'Avenel says:

Whatever the total sum of the indemnity, the price of the war even for the victorious Allies will represent an enormous loss if it is not followed by a general disarmament. Victory in itself will not be a gain if Europe, whatever the changes in the map of the continent, continues to be an The more complex the conditions of modern armed camp, because the victory of the Allies had not been sufficiently decisive. There would result no material or radical economic changes, and the burden of militarism would continue to weigh as heavily upon the whole world.

During the last years of the "armed peace" the great powers spent the enormous sum of 10,000,000,000 of francs for military purposes. Think how different things would be if this vast sum of money, instead of serving in a work of destruction, were applied to the development of the natural resources of the globe. Consider the value of the millions of men who compose the armies, who might henceforth be employed in increasing the productiveness of the soil. Europe would not be long in repairing the damages of the war and in healing her wounds, and the whole world would benefit by her prosperity could disarmament be brought about.

It is therefore the whole world that is to gain by this war if the Allies are victorious, . he insists.

"But, if disarmament is the only solution bring about. Germany would resign herself The belligerents in this war, he goes on to to this only in extremis. Germany will say, are suffering from the ills that they in- fight with all the strength of desperation beflict, although perhaps in a less degree than fore she gives up her militarism, which alone do their enemies. But they are suffering, would make the dream of future successes nevertheless. The neutrals suffer also far possible. And just because of this fact, dismore than they profit by the temporary clo- armament will be the hardest and costliest sing of competitive markets. Those who solution to obtain. But whatever the price cannot buy are losers as well as those who paid for it,—for any victory without it would cannot sell. While France stood in dire be no victory at all,—the generation to come

GERMAN ECONOMIST ON CONDI-TIONS IN WAR TIME

larly interesting to find a keen analysis of the following simple figure: the economic situation in Germany created by this vast upheaval. The analysis we refer to is from the able pen of Werner Sombart, who is one of the leading authorities in Germany on economic questions and incumbent of the chair of National Economics at the University of Berlin. Professor Sombart's article appears in a recent number of the Internationale Monatsschrift (Berlin). He considers, first, the alterations directly effected by a state of war:

1. The most important thing, naturally, is the cessation of a large amount of work accomplished in times of peace by the wage-earners now called to the colors. We do not know just how many of these there are, but it is estimated that the number is not far from a third of the total male wage-earning population (in 1907 this comprised were about a million and a half men under arms, comprising something like one-eighth of the male wage-earners,-we see that never before has such a vast external disturbance affected the economic life of a people.

2. There is the requisition of horses amounting undoubtedly to from one-quarter to one-third of

all our horses.

3. The closing of the railroads to freight and passenger traffic in the first weeks of the war.

4. The interruption of foreign trade relations. The amount of this can be estimated pretty closely According to this, our trade with Belgium, France, Russia, Great Britain, and Japan (quite aside from that with Servia, Montenegro, and Monaco) is, in round numbers, four-tenths of our entire trade. Besides this, many goods cannot be exchanged with neutral countries because their export is forbidden. Moreover, the confusion due to war renders over-sea traffic extremely difficult. Hence we may consider that far more than half of our foreign business has been interrupted by the war.

Dr. Sombart divides these disturbances into two categories: those that interfere with the mechanism or "form" of economic conditions, and those that interfere with their substance. By substance he understands the constitute the means of livelihood of the populace, while the mechanism has reference

HROUGHOUT the world the eco- credits by which trade is conducted. Obvinomic balance has been greatly disturbed ously the welfare of a nation suffers directly by the present war. This disturbance is, of from any contraction or disturbance of either course, greatest in the countries actually en- material supplies or the mechanism by which gaged in the struggle. Hence it is particu- these are distributed. He illustrates this by

> Flour can be ground only on condition, first, that enough grain is fed into the mill, and, sec-ondly, that the mill is rightly run.

He next considers the actual manner in which war interferes with industrial conditions. For example, thirty men may be drafted from the force of a factory. Not only does the factory lose their own labor, but, because the chain is broken, the whole force may have to stop work. Or again. suppose the supply of raw material falls short,-he instances cotton, of which Germany's annual import has been worth \$150,-000,000,—the same result comes to pass, the whole force must be laid off. Such disturbances are much more far-reaching in their 18,000,000 in round numbers). If we compare this effects than at any previous time because with the figures of former wars,—in '70-'71 there organization is more elaborate and complex. Then, too, in 1870 the agricultural population predominated, whereas now the industrial population is in excess. Moreover, in former times producers were more or less independent hand-craftsmen, whereas now they are factory hands.

If one of two independent shoemakers is called to bear arms the other can quietly continue his trade. But if the cutters and by reckoning the exchange of goods which goes sole-stitchers are called away from a shoe on in time of peace with the countries now at war. factory, the finishers must stop work also. However, it is not these disturbances of production that Professor Sombart considers the heaviest industrial ills produced by war. Even worse, perhaps, is the stagnation of the market. And the more highly organized and differentiated business is, the worse are the effects of this stagnation. If, for example, there is an interdependence between three concerns, the loss of marketing opportunities by one immediately affects the other two. In the same way if thirty concerns are connected a stagnation of sales of the finished product means stagnation all along the line.

Such stoppage of sales must occur because so raw materials and the labor which together many groups of buyers fall out of line. First, the soldiers at the front; second, domestic manufacturers, who cease buying raw materials on the one hand and curtail their purchases as private to the whole complex system of markets and individuals on the other; third, the foreign pur-

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chaser of our exports. But, naturally, every buyer buy, although able to do so. . . . Thus accumulate the causes which have a tendency to bring about a stoppage of the mechanism of business. And the most highly paradoxical result of the danger of being thrown out of work for no other reason than because so many millions have already stopped working.

Having thus set the situation before us, Dr. Sombart proceeds to discuss such remedial measures as are possible. Some of the dangers are at least in part self-remedial. Thus as soon as mobilization was complete, trade with neutral countries likewise began to needy individuals at moderate prices. recover from its first shock; and finally the tells us, has become more favorable to the resumption of normal conditions. There is more of a desire to buy in various circles, for all sorts of goods for the army, and these are provided not only by government funds, but by the immense subscription funds which have been collected by all sorts of official and semi-official bodies.

Already we hear that many branches of production,-those that serve immediately the needs of the army and the war,-are in full swing. This has an immediate economic influence; these factories become purchasers of raw materials, accessory materials and machines; their workmen become the customers of innkeepers, shopkeepers, etc., and these, in their turn, are able to increase their purchasing.

damage and evil condition, which can only be one of the unemployed. conquered by a purposeful effort,-and since the outbreak of the war there have been,-at least with us in Germany,-efforts to that end with admirable forethought, firmness, and perseverance.

This fight against the foes of our economic sysbodies (state, province, municipality, insurance eign lands. But even this is not necessarily fatal. organizations, etc.). 2. The business world. 3. In any event, we have enough food in the country The general public.

The raw materials for some of the

Space fails us to give in detail Dr. Somwho falls out implies a corresponding decrease of bart's account of the endeavors of these three power to buy in turn on the part of the seller, "armies." He gives the highest praise posnates not only because so many men cannot buy, sible to the Reichsbank for its able support but very often, also, because so many will not of the system of credit and the way it has borne the enormous burden caused by the strain on credit with only a few alterations of the banking laws. He emphasizes the fact outbreak of war is that millions of men are in that Germany is the only one of the warring nations which has managed to get along without declaring a general moratorium. has high praise, too, for the way the government has handled the question of providing the people with food supplies and raw materials without allowing private interests to charge exorbitant prices. Many communities and districts have bought up large quantities traffic conditions tended to right themselves; of food supplies in order to supply them to

He expresses the belief that the govern-"temper" or "Stimmung" of the people, he ment will succeed in handling the grave question of unemployment satisfactorily. finds, too, that government measures are being supported by the commercial world. and this will extend into wider areas "if we Many business men, for example, have shown continue to be victorious," "Already," he their public spirit by such methods as keeping says, "the ladies have begun to think again their plants running in spite of the slackness about their toilets; again the public is attend- of the market, by continuing to pay the wages ing theaters, concerts and lectures; the busi- of their employees who have gone to the ness men are beginning to advertise again, front, by extending credit, etc. In many and the newspapers,-grown alas! so lean,- places, as Berlin and Hamburg, the business are slowly beginning to fatten up a bit." He men have combined to establish War Credit reminds us too that the war "heals some of funds, which have been useful to the men its own wounds." Thus there is a demand engaged in big enterprises just as ordinary loan funds have been to the smaller men,

With regard to the general public, Dr. Sombart is less complacent, at any rate as regards its early attitude. Among its sins against the general economic welfare he enumerates the following: The unnecessary laying in of stores of provisions; the hoarding of cash; too much "saving" when not enforced by necessity; the discharging of servants; the stopping lessons, etc. (again in those cases when not necessitated); the failure to pay debts; urgent demands upon debtors; the doing of work for nothing which However, at present, there is still much of might have been done at a living wage by

On the whole, he finds the situation not so bad as might have been expected:

We should have thought a world war would tem is twofold: against the threatened breaks in stop the economic machinery entirely. But we now the economic circuit, and against threatened im- see there is no danger of this. . . . And it is poverishment in material supplies and in energies not to be thought that the future will make things . . . and to carry on the fight we have three essentially worse. The greatest injury we suffer, armies ready: 1. The public and semi-public naturally, is the break in our relations with forclared contraband will be successfully controverted unessential part of the conduct of economic by America, who is so strongly interested in their affairs has been taken over by government

that the economists have learned: "that the sort of measures."

most important industries . . . we can surely get capitalistic status may be interrupted at dethrough neutral states . . . e. g., Swedish iron ore. Other things, such as copper, wool, and cotton, we hope to obtain by way of neutral countries. Presumably England's efforts to have them de-We have seen with astonishment that a not authorities. We have had the experience of In conclusion Professor Sombart declares having exports forbidden by the state as it that instead of shattering all theories of the sees fit, of having maximum prices estabeconomists the war has demonstrated that it lished, of having the supplies of merchants may be classified under the rubric of a "sim- and manufacturers brought under control, ple crisis of stagnation of the markets," and of having magazines established, of producthat the resultant damage has been less than tion regulated at its will (the distilleries! was expected. He points out certain lessons the slaughter houses!) and more of the same

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GERMAN IDEALISM AND THE WAR

THE celebrated German writer, Professor to have become (in defiance of Swiss neutrality)
Rudolf Eucken, whose letter to Ameria very focus of agitation against Germany. cans anent the European war recently upon the war and idealism which are of interest as showing the view taken in Germany in regard to certain points at issue,

After speaking of the very different aspect of the Christmastide of 1914 from that of happier years and commenting upon the violent upheavals which will make that year forever memorable, he says:

Such incessant agitation holds no small danger, -the danger of a crumbling of life into mere single detached moments, the danger of a blunting of our emotions and a fatiguing of our souls; stronger and stronger grows the need of stepping back a few paces from these separate events and experiences and grasping as a whole the things that have happened. This may help us to pre-serve that strength of soul and cheerful courage so stringently demanded by the present and the

This year has brought us experiences both sad and joyous; the sad, fortunately, are from been a notable swing of the pendulum with rewithout and the joyful from within. There has gard to our relations with foreign countries. were justified that we possessed, if not the love, at any rate the esteem of the great majority of nations; now we are not only forced to suffer the envy and hate of our direct opponents, but even among neutral peoples so much disaffection against us has been displayed, such unwillingness and inability to put themselves in our place, that it is very clearly shown how foreign we have remained to the others despite all external points of contact.

For example we had recently established a multiplicity of cultural bonds with America and now there come to us thence overwhelming ex- forged against us hitherto unheard of, the past pressions of hostile nature. We also had believed can offer us no counsel; we must stand on our ourselves to be in a close community of culture own feet, discover new paths, set free new forces with French Switzerland, yet now Geneva seems . . . our life has broken the chains of the past

But while such misunderstanding and such passion rages against us in the outside world, we aroused so much controversial interest, has need have no fear, for this year has shown a published in a recent number of the *Illus*- mighty strength in the German people, a strength trirte Zeitung some philosophical reflections that none of its foes would have dreamed of attributing to it.

> This strength Professor Eucken finds in the united feeling of the people, the abandonment of selfish aims and partisan feeling and the boundless readiness for self-sacrifice. He declares proudly that the Germans have shown themselves a nation of heroes, first in the soldiers, who with "a wonderful blending of courageous spirit and technical ability have bravely and victoriously met the onslaught of half a world," and secondly in the populace who have supported them spiritually and materially. He continues:

The war was forced upon our people by foes who, envious of our growing greatness, have long cherished sinister plans; even if the war could have been avoided now it was bound to come in a few years, and in that case conditions would have been less favorable to us. Thus the struggle came upon us as an unavoidable necessity. But we did not accept this necessity with sighs and groans . . . we immediately transformed fate into the deed of our own free will. And we have done this all the more because in this struggle we have wagered the highest conceivable stake. For it is not this or that particular point that has put us at discord with our opponents; but our whole national and political entity has become an offense to them. Since, therefore, they would fain annihilate, or at least deeply humiliate us, we find ourselves drawn into a fight for our very existence as a nation.

As this whole position was new and the weapons

and stands wholly in the present. In this present the past and future meet,—on the one hand we must preserve the things of value aforetime won, on the other we must lav a secure foundation for the future.

In all this we recognize by means of the deed the belief in the capability of humanity to be raised to a higher level, in the power of original creativeness, in the superiority of spiritual power to mere fate, and are uplifted into a realm of

It is this which Dr. Eucken calls Idealism in the Form of Life. The ideal of the Fatherland is, to-day, as never before, he says, the center of living and striving, no more a mere abstraction but a living reality in terms of flesh and blood. Closely knit with this struggle to maintain the Fatherland as a living and spiritual entity is the anxious care to preserve and strengthen the individuality of the German Kultur, and he declares solemnly that it is not a dream of power and conquest which inspires this, but rather the earnest aim to bring to their full flower the peculiar intellectual gifts implanted by nature and developed by their history in the Germans, for the sake of humanity as well as for themselves. However, this lofty purmistic about present-day humanity (except and slander,



DR. RUDOLF EUCKEN

pose seems to be meant rather for posterity, in the Fatherland!), and closes with further since the good professor is distinctly pessi-bitter remarks about envy and hate, malice

THE FORTRESS IN MODERN WARFARE

Many of them, in fact, give no token of the topics. exceptional state of public affairs now prethe even tenor of their way, though their future. We read: contents are somewhat more strongly tinged by contemporary events.

On the other hand, many of the French ence, La Nature. This well-known weekly

EUROPEAN scientific journals have been tirely concerned with those branches of scivariously affected by the war. German ence and art bearing directly upon warfare publications, as a rule, have preserved very in general and the present conflict in parnearly their normal scope and appearance. ticular, together with various subsidiary

A recent number of this journal undervailing, apart from the sinister record, month takes to explain the surprising facility with by month, of the death on the western or which the German siege artillery demolished eastern battlefields of brilliant young pro- the "impregnable" fortresses of France and fessors and privat-docents, many of whom Belgium, and to forecast the manner in are mourned throughout the world. The which, in the light of such occurrences, the English journals have also generally pursued defense of towns will be conducted in the

In explaining these disasters it has been customary to invoke the exceptional power of certain ultra-secret engines, such as the Krupp mortar of scientific periodicals have been transformed 420 millimeters or the Austrian of 305 millimeters. by the war. This is most conspicuously true As a matter of fact, they should be attributed to of the leading French journal of popular sci- much simpler causes. Until within a few years a siege gun could be brought into action only after a very solid wooden platform had been erected to was suspended at the outbreak of hostilities, support it during its discharge, and the laborious on account of the fact that most of its literary construction of this platform could not escape the and mechanical staff had been called to the notice of the besieged. Thus the artillery of the fortress had ample time to open fire and prevent colors. Since it resumed publication, toward the end of last year, it has been almost en- ish the hope of prolonging for a considerable time,



ARMORED CUPOLA OF A MAUBEUGE FORT WRECKED BY A GERMAN SHELL

with the aid of searchlights, captive balloons, and other modes of observation, the period of investment during which they would have an incontestable superiority in artillery. The advent of shells containing very powerful charges of explosives was not, in itself; calculated to disturb seriously the equanimity of the besieged, as these shells could not be thrown in large numbers until many batteries had been installed and provisioned, and the artillery of the fortress could see to it that this eventuality was more or less indefinitely postponed.

The appearance of rapid-fire heavy artillery was destined to alter the situation completely. With the facilities for transportation offered by motor tractors and the facilities for rapid firing offered by the modern gun-carriage, a siege battery can to-day approach a fortress under suitable cover, be installed in a favorable location in less than ten minutes, and open fire almost immediately. Before the besieged can get the range it will have landed its projectiles in some part of the fortifications, destroyed the metal and concrete roofs, and rendered the place uninhabitable through the effect of the deleterious gases produced by the explosion of melinite bombs in the narrow courts on which the casemates open.

Whether these projectiles weigh 40, 120, 340, or nearly 1000 kilograms is immaterial. Provided they split open the casemates, overturn the parapets, demolish the turrets, and asphyxiate the garrison, all resistance will become impossible, and the infantry of the besiegers will be able to approach the glacis with impunity and capture the fort, after penetrating the densest wire entanglements almost without striking a blow. Only the effective fire of neighboring forts would be able to arrest their victorious assault, and what help is to be expected of these works if they are themselves subjected to an energetic bombardment?

Two ways out of the difficulty commend themselves to the attention of the military engineer. First, between the forts in the circle of defense about a town we must have and not by ordinary garrisons.

lines of trenches in which to dispose infantry whose business it will be to oppose an assaulting column. Second, the batteries of the defense should be as mobile as those of the attack, and thus ready to change their location as soon as they begin to suffer from the enemy's fire.

The only advantage henceforth left to the defense is the possibility of organizing well in advance lines of trenches for its infantry and numerous carefully hidden shelters for its guns. Roads, well screened from the observation of the attack, will, moreover, permit the rapid transportation of these guns from one shelter to another, while the enemy is wasting his efforts in delivering a crushing fire on points which are unoccupied.

Thus we see that the open order of fighting is as essential in the defense of a fortress as in operations in the field. The only difference that will subsist between a siege and a battle of the nature of those fought during the past few months is that the scene of conflict in the former case will be one already determined in time of peace by the necessity of ensuring the possession of some center of railways or other lines of communication, and that it will be possible to organize the defense at leisure; with trenches, numerous concrete shelters for the infantry reserves, artillery parapets well screened and judiciously distributed, hidden communicating roads, etc.

Moreover, this battlefield must be so planned that the defending troops cannot under any circumstances be caught between two fires. It must, therefore, have a breadth in all directions of at least 10 kilometers. If the center of the position is to remain immune from the effects of bombardment, the first line of defense will need to be placed and maintained at a distance of 10 kilometers therefrom. Hence, according to circumstances, it will be necessary to assume a circumference of 32 or 64 kilometers. Such extensive fronts can be defended only by veritable armies,

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SERVIA'S RESOURCES AND NEEDS

Affairs of Servia, who was formerly Miss of her adopted country. Mabel Dunlop, of West Virginia, arrived in America a few weeks ago from Belgrade As a result of the second Austrian invasion of Servia, her richest agricultural district lies a baragricultural implements.

Servia is essentially an agricultural country, nine-tenths of the population being em- line, that the terror-stricken inhabitants fled at

ployed on the land. It was estimated recently that 308,000 families derive a living from agriculture, and of these 273,000 have their own land. The soil of Servia has no superior in fertility in all Europe. Two yearly crops of hay, wheat, and barley are grown; oats, hemp, and tobacco thrive, and several sorts of maize and the sugar beet. Grapes, sweetish but of excellent quality for the making of wine, give a good vield in some parts of the country, likewise the prune plum.

The Serb peasant provides for all his wants from his land. with the exception

the clothes he wears and the table linen for who, having lost them, was going about crying the family use are woven upon hand-looms and calling their names. in his house. The raising of cattle and hogs

ME. SLAVKO GROUITCH, wife Grouitch, in a statement to the REVIEW OF of the Secretary General of Foreign Reviews, has written eloquently of the needs

As a result of the second Austrian invasion of to get generous Americans interested in sup-plying the Serbs who have been driven been burned, livestock killed, or consumed, or from their farms with seeds for planting and driven away. During the first invasion, in the month of August, such frightful atrocities were perpetrated in all the villages of the invaded region, even those which were not in the battle

> the first rumor of a second war. to carry anything with them, they all suffered horribly from the cold and distress. Hundreds of children died from the cold and exposure.

An eve-witness describes the scene:

Women, children, old men, cripples, hardly clothed, arrived at every railroad station where the trains, composed of open goods cars, took them to the region behind the lines of the Servian army. I have never seen such a huddled. miserable mass of humanity many of them with packs on their backs, women with children carried any way, the older ones helping the younger, all having marched for several days in terror and without food. Many women were insane. I shall never

of a few articles like sugar and salt. Even forget the despair of one, a mother of six children,

The Servian Government not only transnaturally is a staple industry. Farm animals ported these fugitives to places of safety, but before the war were plentiful; even the erected sheds and tents for shelter, and a humblest landholder had pigs and poultry ration of bread and soup was given out to to run about under the plum trees that surthem each day, as to the soldiers. The Serround his peaked-roofed cottage. It will vian Red Cross has distributed clothing, be seen from even a slight knowledge of the blankets, and such other comforts as have source of Servia's food supply that the whole- been sent out by the British and American sale destruction of agriculture by the Aus- Red Cross and relief societies. Now that trian invasions and the necessities of war, the country is freed from the enemy comes if not speedily remedied by the prompt giv- the necessity for sending these people back ing of seeds and farming implements, will to their homes. To do this requires a whole bring about a general famine in the devas- organization, which the Servian Government, tated districts and great loss of life. Mme. overwhelmed as it is by the difficulty of pro-



MADAME GROUITCH



WOUNDED SERB SOLDIERS

viding for its large army, which must be kept Belgrade always on the defensive lest a new invasion take place, cannot provide. For that purpose committees have been organized in England and in America to obtain food, farming implements, grain, and seeds for planting, and,

The Serbian peasants own their homes, and each one knows exactly where he belongs, and whole caravans are even now marching across the country in an attempt to return to their homes, but there is still danger of their dying of starvation, as only those who are near the large military camps can be fed by the authorities. once material for relief has been collected, it will be necessary to have volunteers, especially those having some knowledge of agriculture, to go out will feel that this is an excellent opportunity to apply the knowledge that they have gained in a perfectly virgin country, where scientific philanthropy can be demonstrated perhaps more perof doing in an agricultural way.

One would be glad to see agricultural relief units organized in exactly the same way that the Red Cross units have been organized, each unit planting, as well as in seeing that no one suffers for lack of necessary food.

the peasant women cutting and stacking the corn late in the evening, and even by moonlight. Many of the peasant soldiers in the hospitals regret the war for but one thing,-that it left this heavy burden of work upon the womenkind at a moment when they felt their place was at

Absolutely all the crops grown in any part of America can be grown in Servia, where there is a rich alluvial soil watered by many streams. The women do, in addition to the field work, all the arts and crafts of primitive peoples. The hand-loom stands in every cottage, and weaving, hand embroidery, and lacemaking are their recreations.

From official sources there are in Servia, besides thousands of fugitives, some thousands of refugees from Bosnia and Herzegovina and other Slav provinces of Austria, especially many of the prisoners' families. Thousands of the families of Austrian prisoners in Servia have fled from Austria into Servia. The numbers of these refugees are stated as follows:

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e	(approximately)			

Belgrad	le	(approximately)	85,000
		Belgrade	80,000
		Podrinye	240,000
		Valjevo	107,000
		Ugizé	75,000
		Rudnik	84,000

About 300,000 fugitives have returned to their in fact, everything that can serve for the homes, where they are in very great need owing rehabilitation of this fugitive people. authorities have been obliged to forbid any more returning to their homes, owing to the impossibility of feeding and caring for them. This destitution increases every day, owing to the fact that in many parts of Servia, not having such restriction, many have come to stay, so that whole districts are beginning to feel distress.

In times of peace the Serbian Cooperative Agricultural Association furnishes to farmers, at the lowest possibles rates, live stock, seeds, and personally superintend the distribution of this material. It is hoped that young men and and farm implements, and also introduces women from the agricultural colleges in America new vegetables. An excellent agricultural school is maintained at Kraljevo, and schools of viticulture at Smederov and Negotin. In a work on Servia, written in 1910, by Herfeetly than there was ever before an opportunity bert Vivian, there occurs this pleasant description of the home of a Serb peasant farmer:

His cottage is generally surmounted by a lofty prepared to look after a certain number of families wooden roof as high again as the building itself in a given district, to aid the peasant-women and tapering to so acute an angle that the rain farmers in the first work of ploughing and re- has no chance of onset. There are generally two rooms,-a kitchen and a sleeping room where the whole family is herded together. The furniture Women have always done a large part of consists mainly of a big oven, more than onethe farm work in the Balkans, and have, during half filling the kitchen, an array of earthenware all three wars, taken a great pride in keeping jars and cooking utensils ranged along the walls, the home and the farm going as perfectly as a wooden table and some stools, all more or less when the fathers, husbands, and brothers were rickety, and the beds, high, narrow, wooden conpresent. During this last autumn, when the har-struction covered up to look like cargoes of cush-vest was being got in, the writer frequently saw ions in the day time.

In 1910 the output of grains, vegetables,

and fruits was given in the agricultural reports published by the government of Servia as follows:

Maize 7,391,979	quintals
Wheat 3,470,289	66
Barley 877,223	64
Oats	66
Other cereals 387,979	66
Vegetables 1,520,194	66
Sugar beet	"
Tobacco	44
Flax and hemp 76,630	**

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Fruit	ts	:														
Plums															 270,820,018	kilos
Grapes															 8,376,400	66
Apples				٠											 25,701,357	66
Pears									٠						 20,213,352	64
Other	f	r	u	i	ts										30,525,443	64

All offerings sent for the relief of Servia will be forwarded direct to the country via Greece by the War-Relief Clearing-house for France and Her Allies. It is necessary that this agricultural aid should reach Servia in April, in time for the spring planting.1

ENGLISH CONSCRIPTION AND OUR CIVIL WAR DRAFT

England to justify compulsory military serv- exact number of men within the military age ice, or conscription, resort is frequently had should be ascertained and they should be to American experience during the Civil classified in every recruiting area in the counample, attention has been directed to the attitude of President Lincoln on the subject of the draft. An editorial article in that journal declares that Lincoln went through all the stages that England is now going through in the matter of raising troops, except that the voluntary system in America gave results which numerically and in proportion to the population were below those which the voluntary system has given England in the first few months of the war.

Contrary to the general assumption that volunteering in Great Britain has not been as good as it was in the North before the clares that it has been very much better. It is assumed, however, that sooner or later the voluntary system will prove not to be giving as many men as are wanted and that recourse to compulsion will be necessary. In that event the Spectator holds that the government should make it quite clear to the nation that the excellent pay and allowances now given to England's soldiers cannot be extended to men taken into the ranks by compulsion. The man who comes forward voluntarily should have better terms than he who waits to be compelled. In the case of compulsion the service rendered will not be voluntary service, but will be in the nature of a tax which men are compelled to pay in the interests of the state. The first step of

I T is interesting to note that in the argu- the government, in the Spectator's view, ments now being brought forward in should be to draw up a muster roll. The In the London Spectator, for ex- try, or in such area as may be determined.

Having ascertained the number of men of military age in the country not employed (1) by the state; (2) in carrying out government contracts; (3) in transportation, the government should calculate how many more men in their opinion will be required. Let us, for the purpose of argument, say two million more. Then they should calculate what will be the quota required to be taken from every Parliamentary area,-i.e., constituency,-or such other area as may be determined upon. The next step will be to make an appeal in that area for men to supply its particular quota. If the quota is obtained voluntarily, well and good. If it is not, there must be a ballot amongst the men on the muster-roll,-the men of military age,-in order draft was put in force, the Spectator de- that the call of the government for so many men from such and such a place may be answered.

> In this connection the Spectator refers to Lincoln's appeal to the country in support of the draft, which, because of circumstances, was not published at the time, and, in fact, was first given to the world in the authorized life of Lincoln by Nicolay and Hay. The Spectator characterizes Lincoln as "a liberal and a democrat and an upholder of popular rights if ever there was one in the world. Yet, strange as it may seem to our Radical friends, he was from the very beginning a strong advocate of compulsory service, or, as he called it, conscription, as the fairest and best way of raising troops for a great national emergency."

This appeal to the people in defense of ¹ Contributions are to be sent to the Serbian Agri- the draft which Lincoln wrote at that critical juncture is pronounced by the Spectator

freight prepaid.



HOW THE DRAFT WAS CONDUCTED IN 1863,-THE TURNING OF THE WHEEL IN THE PROVOST MARSHAL'S OFFICE, NEW YORK CITY

(From a war-time drawing in Harper's Weekly)

Britain are the following, which the editor commends to his English readers:

a variety of motives, pressing, some in one direction and some in the other, would be presented it all be los to the mind of each man physically fit for a your part? soldier, upon the combined effect of which mothe service. Among these motives would be patriotism, political bias, ambition, personal couryet we must somehow obtain more, or relinquish the original object of the contest, together with all the blood and treasure already expended in the effort to secure it.

been enacted. You who do not wish to be sol- it is my purpose to see the draft law faithfully diers do not like this law. This is natural; nor executed.

"one of the greatest state papers ever pro- does it imply want of patriotism. Nothing can be duced in the English language." Lincoln's so just and necessary as to make us like it if it is disagreeable to us. We are prone, too, to find refusal to publish the document was based, false arguments with which to excuse ourselves not on any lack of confidence in his argu- for opposing such disagreeable things. In this ment, but on the fact that after the draft case, those who desire the rebellion to succeed, was put in operation it proved to be less and others who seek reward in a different way, unpopular than had been expected, and it class of arguments. . . There can be no army was feared that the strength of the language without men. Men can be had only voluntarily used by Lincoln might possibly have irritated or involuntarily. We have ceased to obtain them certain men who were rapidly becoming rec- voluntarily, and to obtain them involuntarily is the draft,-the conscription. If you dispute the onciled to the measure. Among the striking fact, and declare that men can still be had volpassages in Lincoln's address which have untarily in sufficient numbers, prove the assertion been marked by the Spectator as peculiarly by yourselves volunteering in such numbers, and I applicable to the present situation in Great shall gladly give up the draft. Or if not a sufficient number, but any one of you will volunteer, he for his single self will escape all the horrors of the draft, and will thereby do only what each one of at least a million of his manly brethren have At the beginning of the war, and ever since, already done. Their toil and blood have been given as much for you as for themselves. Shall it all be lost rather than that you, too, will bear

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I do not say that all who would avoid serving tives he would, or would not, voluntarily enter in the war are unpatriotic; but I do think every patriot should willingly take his chance under a law, made with great care, in order to secure age, love of adventure, want of employment, entire fairness. . . . The principle of draft, which and convenience, or the opposite of some of these. simply is involuntary or enforced service, is not We already have, and have had, in the service new. It has been practised in all ages of the as appears, substantially all that can be obtained world. . . Shall we shrink from the necessary upon this voluntary weighing of motives. And means to maintain our free government, which our grandfathers employed to establish it and our own fathers have already employed once to maintain it? Are we degenerate? Has the manhood of our race run out? . . . With these views, e effort to secure it. of our race run out? . . . With these views, To meet this necessity the law for the draft has and on these principles, I feel bound to tell you

GERMAN'S VIEW OF RUMANIA'S INTEREST

HAT disastrous consequences Ruma- Austria's and Germany's feet in Bucharest. Revue (Berlin).

stable powers.

whether they should join one of the belliger- march to their rescue. ent parties or maintain a more or less friendly

neutrality.

political barter.

A new era began when Charles, a Hohen- strengthen them." zollern, ascended the throne, three years after the Congress of Berlin. For many years, sia's influence is jealously watched. form a stout dam against the mighty onrush the value attached in St. Petersburg to winof the Pan-Slavist, or rather Pan-Russian, ning over Rumania. wave towards Constantinople and the straits.

pean powers.

nia would suffer should she decide France was especially zealous in that efto join the side of the Allies, how Russia fort. For a long time the leading aristowould use her as a cat's paw to further its cratic families, who send their sons to Paris own aggrandizement, and other pertinent to study, have felt a warm sympathy for that points are interestingly discussed by Baron country. French has been the language used von Jettel in a recent issue of the Deutsche in conversation by the ruling classes; four of the most widely read papers are published in The convulsion that is shaking Europe to that language. Wealthy Rumanians get its foundations,—the writer begins,—spreads their literature from Paris, the women their its waves far beyond its own hearthstone, hats and gowns. In March, 1914, two causing even those countries to waver whose prominent French journalists delivered wellfirm stand had been unquestioned. Rumania attended lectures in Bucharest, when the must, it seems, be reckoned among such un- term "Latin sister-nation" was strongly emphasized. Ten days later the Culture-The present war makes high demands League held a meeting at which the deplorupon the wisdom of the statesmen who guide able state of the Rumanians in Bukowina the fortunes of the countries not directly and Transvlvania was pictured in appealing concerned in it. It is for them to decide language, and the Rumanian youth urged to

That the movement was promoted and exploited by France and Russia is not to be Since the Balkan War, in which Rumania wondered at. A noted Russian publicist, intervened only at the moment of greatest Durnowo, writing to the Bucharest Uniconfusion, so as to restore order and at the versul in March, 1914, declared that the same time extend her dominions, she has vital interest of Rumania demanded the played a leading rôle in all the Balkan prob- union of all the Rumanians under one sceplems. She had to decide whose influence, ter; in a future war Russia would march that of Austria or Russia, should predomi- alongside of Servia and Rumania. Count nate on the lower Danube, in the non-Slavic Ignatieff, in his recently published memoirs, regions which form a natural barrier on the writes that "the Austrian and Turkish Slavs road to Constantinople. The writer shows must be our allies and the tools of our policy how for centuries Rumania (formerly Mol- against Germanism; for the attainment of davia and Wallachia) had been an object of that object alone can Russia make sacrifices for them and endeavor to liberate and

In Bucharest Russian practises are, of Rumania had been declared independent by course, well known, and extension of Ruswhile Macedonia was rent by factions, Ru- sia's recent marks of favor, the projected mania, under the lead of its wise ruler, was marriage of the Rumanian Crown Prince an element of order, which, supported by with a daughter of the Czar, the Czar's Germany and Austria, seemed destined to visit to Rumania, and so on, all demonstrate

Warning voices have naturally been After the Balkan War and the ensuing raised. The late great Rumanian statesman, peace negotiations, a marked change was no- Demeter Sturdza, in a pamphlet published ticeable in Rumania's attitude to the Euro- last spring, observed: "We are threatened Its starting-point was the with a Russian invasion. Powerful efforts alleged undue favor shown to Bulgaria. Al- are being made to entice and deceive us. though the Rumanian official documents con- Gold is distributed to bribe the weak. Let clusively disproved this, the opposing side ex- us not be deceived by hypocritical promises, ploited the situation to the utmost, and which will not be verified; feel as Rumanians sought to undermine the ground under should, not according to the wishes of aliens,

or else we shall disappear from the map of Ambassador at Constantinople, is cited as the the world." And hear the President of the authority for that assertion. fight advancing Russia.

Matters stood thus at the beginning of able to escape this thraldom. the war, at the outset between Austria and

an article by Professor Jastrebow in the and I give it at my will. If you will worship Birchevija Wjedomosti: "the conquest of me it shall be yours." Will they say: "Get the Dardanelles, with Bulgaria and Ruma- thee behind me, Satan"? This is Baron von nia for a hinterland," and Giers, the Russian Jettel's idea of the situation.

Rumanian Senate: "The Rumanian Gov- For that matter, nothing can be clearer ernment does not allow itself to be led by a and more comprehensible than the traditional press influenced by Russian gold. The en-policy of Russia: Since she has in repeated tire rise of Rumania's commerce and indus- wars been unable completely to demolish try is due solely to German and Austrian Turkey, the young Balkan States putting capital; from Russia Rumania has not re- new obstructions, on the contrary, in the ceived a farthing, nor can she expect any- way of her plans, she contemplates shoving thing from her." Nay, even Take Jonescu, them aside by promises of outlying regions, the present leader of the Democrats and ad- so as to leave her path free. Thus Transylvocate of nationalism, writing to the Ro-vania is held out as a bait to Rumania, Macemanul, who declares that there is a natural donia to Bulgaria, and Bosnia to Servia. antagonism between Russia and Rumania; But even should the deluded ones succeed in that Russia is a country bent upon conquest, attaining the Promised Land, they would that Fate had interposed Rumania in its way, have to pay dearly for that success. Politand that it could attain the object of its ically, as well as economically, Russia would wishes only by marching over her dead body, in future be their master and arbiter. Whatevery consideration commanded her to ever they do now in the direction of weakening their friends will make them all the less

Russia, however, leads them, as the devil Russia proceeded at once to con- led the Master, to a high mountain and tinue her efforts to get Rumania and Bulga- shows them all the realms of the world and says to them: "This power I shall give you What Russia is aiming at is revealed in and all this glory, for it is committed to me,

THE VOICE OF

BOUT 100,000 of India's sturdy soldiers are fighting in Europe for the defense of the British Empire. The princes and the people of India are lavishly supplying men and money to the British Government. The leaders of Indian thought have unconditionally supported the British in the present crisis. A few representative opinions have been published in the Indian Review (Madras) and the Mahratta (Poona).

Honorable Sir G. M. Chitnavis thus spoke in the Vicerov's Legislative Council:

Should any outside danger threaten India the people would stand shoulder to shoulder round England; her enemies would find Indians arrayed in a solid phalanx ready to close and reduce any danger and render any sacrifice for the sake of the Empire of which they are all proud citizens. The sentiment is based on gratitude for the past, on contentment in the present, on confidence for the future. . . . The maintenance of British war with Germany and Austria, and it is our rule is an essential condition of the material and bounden duty to rally to a man and stand by the moral progress of India.

Mr. V. P. Madhava Rao, the Prime Minopinion as follows:

India should be more interested than England herself in this war and the success of British arms. For if Britain is beaten in the war, it would mean the passing of India into the hands of some other power, and it would mean the utter ruin of all hopes and aspirations of India ever becoming a nation with any degree of self-government. Therefore, it behooves every well-wisher of the country to present a united front to the world and show them that Britain has at her back the support of every one of the various classes and communities over the length and breadth of this great continent.

Apart from the notable utterance of His Holiness the Agakhan, which has been quoted in all parts of the world, Honorable Mr. Muzrul Haque thus succinctly defined the position in this great international catastrophe:

There can be no doubt and no anxiety about our position as Indians. Our Motherland is at side of our Gracious Sovereign.

Even Balgangadhar Tilak, the arch nationister of the State of Baroda, expressed his alist of India, who has just been released after five years' imprisonment, has appealed to his

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the I not a The unless in defense of the Empire. He says:

ferring inestimable benefit on India, not only by its civilized methods of administration, but also thereby bringing together the different nationalities and races of India, so that a united nation may grow out of it in course of time. I do not believe that if we had any other ruler except the libertyloving British they would have conceived and assisted us in developing such a national ideal. Everyone who has the interests of India at heart is fully alive to this and similar advantages of England has been comthe British rule. . . the British rule. . . . England has been com-pelled by the action of the German Emperor to take up arms in defense of a weaker state, whose frontiers have been violated in defiance of several treaty obligations and of repeated promises of integrity. At such a crisis it is, I firmly hold, the duty of every Indian, be he great or small, rich or poor, to support and assist His Majesty's Government to the best of his ability.

Although Great Britain is loyally supported by India in the present crisis, the causes of unrest and friction have not all disappeared. Not only the Hindu revolutionaries, but even some of the progressive in the feeling between the East and the West, militarism. Says the writer: especially between India and England. In a stimulating article in the New Statesman (London) Mr. "One-Who-Knows-India," evidently an Englishman, points out the path of India's true loyalty to England:

It is obvious that Asia cannot remain forever contented with the position of subordination which it at present occupies. The Russo-Japanese prevails within its boundaries, or with the treat- condemn her political ambition? large political concessions, the situation might or her satiety. easily and rapidly grow grave. The news from The real tru the Empire wholeheartedly in the crisis.

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with other European powers. The only other modify its trend. European powers with ambitions towards India are Russia and Germany. Russia the Indians the Indians aspire to is political independence,-

not an exchange of masters. unless the civilized West puts into practise its the German cause.

countrymen to sink all differences and unite profession of liberty, humanity, and fraternity, not only in Europe, but throughout the whole world. It may be that the different parts of the world It has been well said that British rule is con- require different treatment, but the object should be to put an end everywhere, not only to military, but also to political despotism, and to give relief to all who suffer therefrom. . . . Asia ought to be made to feel that her legitimate aspirations will not be ignored, and that the relation between Europe and Asia shall in future be those of sisters engaged in common service of humanity, and not those of exploiters and exploited. . .

The offers by native chiefs of India do not mean very much. Most of them, as we know, are entirely in the hands of their British residents and are actuated by motives not identical with wholehearted lovalty to the British.

Now, the best and the most effective way to win the genuine and permanent loyalty of India would be to remove the galling bonds that remind her sons every moment of their lives that they are the subjects of an alien government, and that they have no status in the empire to which they are expected to be loyal. What we have to do is, by one bold stroke, to convert the loyalty of impotence or of fear into the loyalty of heart.

And again, in the Prabudha Zharat, published at Mayabati, in the Himalayas, we find an article by an anonymous writer that seems Englishmen, feel the need of a radical change to subtly defend the German principles of

If Germany declares her ambition of world empire to be legitimate, European politics cannot help admitting it. Neither does it behoove England, who has realized that ambition herself, to deny Germany the right of cherishing it. The argument sometimes put forward that the German system of internal government disqualifies her from an attempt to build up a world empire is quite flimsy. It has yet to be proved that war stirred Asia to its depths, and this war is democracy is the highest form of government, and going to stir it still further. Japan and China German culture and civilization in peace are not are apparently going to play a part in the coming inferior to any as yet reached by any European events; and, though the voice of discontent, and nation. Brutalities committed under the excep-what is called sedition, has for the time been tional circumstances of war can hardly discredit hushed in India, that country is very far from them. So on what grounds will European polibeing satisfied with the condition of things that tics, sitting in impartial judgment on Germany, ment that it receives from the British Govern- sion is the watchword of political life in Europe, ment. Everyone who has watched events in India and if England proposes to-day to others to have knows that there is a great deal of real discontent that spirit in them arrested for the sake of peace. there, and unless the British handle the situation the latter may well chuckle on the sly at what in a spirit of liberal statesmanship, and make they would call either England's selfish craftiness

The real truth is that European politics by its India indicates that she is prepared to stand by very nature constitutes a perpetual menace to peace. Visions of peace, therefore, are but the There is no fear of any complications arising. idlest dream for these nations that have politics But this does not justify our concluding that India for the foundation of their life and greatness. forgets her grievances against the English Gov- By the very trend of its civilization Europe is ernment. What the present attitude of the In- debarred from finding proper means even to minidians establishes is that they will stand by the mize the chances of war, and nothing short of Empire in any quarrel that England may have a stupendous miracle is necessary effectively to

Certain Hindu writers whose outgivings hate, and for Germany they have no love. What have been permitted to see the light in America and Germany have been even more out-There can be no durable peace in the world spoken in their expressions of sympathy with

A SOCIALIST FORECAST OF LASTING PEACE

IN Die Neue Zeit, Karl Kautsky, the Ger- cordance may be observed in the war practises of possible effect upon opinion and upon national policies of the unparalleled devastation

The warfare of to-day brings to a culminating point all the horrors of the strategy of wholesale destruction, spread over an enormously increased area. If the armies of Napoleon were ten times greater than those of Wallenstein and Gustavus Adolphus, the armies of to-day are ten times greater than those of Napoleon. But we have, in addition, all the devastation and hardships of the strategy of exhaustion, crowded into the least possible space of time, without any pause whatever for breath or recuperation.

And all the powers of modern technique are placed at the service of destruction. Human ingenuity achieves gruesome triumphs in that which shall endure and lull the war spirit to sleep

decades had nurtured the military spirit in the a new war, then, of course, it would contribute people, prepared them for the practises of war. nothing towards the diminution of antagonisms We see now how the war itself assumes forms which demand even greater sacrifices than in the time of Napoleon and Clausewitz, stir up passions perhaps even more deeply, make leniency to the enemy more impossible than ever.

conduct will be retained in peace, too, and will the need of a lasting peace as did the twenty

of normal social life are found?

But we need not as yet regard it as a necessary suppressed. In the bourgeoisie, it is true, they have been partially weakened by the development of recent decades. But it has not fully overcome the influences of the last centuries, and international, scientific, and economic intercourse has attained such wide expansion and become so indispensable, that nothing less than the stress and passion of war can interrupt it, and that only for a time. This intercourse necessitates, of course, international personal relations, which must exert a mildening effect upon the feelings and manners

Far more important, however, is the strengthening of the proletariat, whose love of peace, international solidarity, and consideration for arranged the world according to its needs. And human life have precisely in the last decades among those needs are reckoned international

dencies at work, simultaneously with those of the actual necessity of a definite social order. Every opposite character. Accordingly, a sharp dis-system of exploitation will disappear.

man Socialist leader, brings to a close a our time as well. There have been times when the horrors and barbarities of war were inflicted series of articles dealing with the practises of war in past times, and in the present conflict. In conclusion, he gives his view of the them was purposely disseminated as a means of terrifying the enemy and breaking his power of resistance. The present war is one which is, indeed, conducted on the plan of wholesale and slaughter now going on, and indicates destruction, but in which every act of inhumanity the grounds for his hope that it may be fol- is, nevertheless, looked upon as a disagreeable lowed by the establishment of permanent duty,—except on the part of a few intellectuals who succeed in finding amusement in the most harrowing agonies of death. No man of feeling could bring himself to indulge in a witticism at the execution of even the most depraved criminal. One of the blood-thirstiest esthetes of Simplicissimus, Herr Edgar Steiger, breaks into a merry laugh over the agonized death-struggle of 150,000 Russians in the Mazurian swamps. But that is not the spirit of those engaged in the war. The reproach of having committed atrocities they consider as a slander which they repel.

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To be sure, the horrors of war, if frequently repeated, may ultimately dull the feelings inculcated in peace. But it is just as possible that they may have the reverse effect,—strengthen those feelings, and arouse a vivid longing for a peace

Should the war end in a peace signify only a We have seen how the development of the last truce, new armaments, feverish preparation for and passions, and of the impulses towards the most merciless practises. But for the present we have no reason to suppose such a peace even

possible.

We may expect that a few months of this war Is it not to be feared that ruder standards of will suffice to give rise to as strong a feeling of react upon the forms of life where the contrasts years of war a hundred years ago. Perhaps it normal social life are found? will, as that war was, be brought to a close by That there is such a possibility cannot be denied. an international congress. The combatants already number nearly a dozen; an assemblage consequence, for the opposite tendencies, which of them alone, to conclude peace, would constitute were operative before the war, are by no means an international congress. It would this time want to apportion not Europe but rather the world. The neutrals, too, would demand admission to it. Governments are not as independent of the people of a country as they were a hundred years ago. They could not simply ignore their wishes. Under these circumstances, it is possible that this congress, supported by the general longing for peace, would consummate a work at least as enduring as that of the Congress of Vienna.

But a fifty years' peace is bound to become a permanent, an everlasting peace. stretch of time the proletariat will beyond doubt have advanced to the point where it will have become steadily more pronounced and have formed solidarity and a policy which secures lasting a powerful dam against any brutalizing influences. peace among nations. The ideal of so many thinkers of the last three hundred years will then We see, therefore, powerful humanizing ten- be realized, not as an ethical postulate but as an

A FAMOUS PASTORAL LETTER

NE of the great documents of the war calamity, the Cardinal exclaims in the ardor is the Christmas pastoral letter of Car- of his faith: dinal Mercier, Archbishop of Malines, entitled "Patriotism and Endurance." English translation of this letter has been reproduced in full by the New York Times (January 22). The letter begins with a reference to the Cardinal's journey to Rome occasioned by the death of Pope Pius X and the election of his successor, and speaks of the destruction and desolation that overtook large portions of Belgium during the Cardinal's absence,-particularly the serious injury to the Cathedral church of Louvain, the to the blood of these sons of hers.

burning of the University, "the wholesale shooting of citizens and tortures inflicted upon women and children and upon unarmed and undefended men"; the bombardment of the churches and the Cardinal's palace in Malines,-and he summons his people to turn from this record of disaster to face the duty of the hour, which he sums up in two words; patriotism and endurance. For the Belgian Army he has only words of gratitude and praise, and for the 250,000 soldiers still fighting in defense of the Fatherland, as well as for those who have fallen. he asks the prayers of the faithful.

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Lest any hasty reader of his letter should assume that this revered Belgian prelate is speaking from superficial or second-hand knowledge of the facts, he takes the trouble to particularize, giving the names and addresses of priests whom he personally knew to have been put to death by German soldiers. There were thirteen such priests in his own diocese, and, "to my own actual, personal knowledge, more than thirty in the dioceses of Namur, Tournai, and Liége.'

In spite of this story of

God will save Belgium, my brethren, vou cannot doubt it.

Nay, rather, he is saving her.

Across the smoke of conflagration, across the stream of blood, have you not glimpses, do you not perceive, signs of His love for us? Is there a patriot among us who does not know that Belgium has grown great? Now, which of us would have the heart to cancel this last page of our national history? Which of us does not exult in the brightness of the glory of this shattered nation? When in her throes she brings forth heroes, our mother country gives her own energy



CARDINAL MERCIER, ARCHBISHOP OF MALINES

(Cardinal Mercier was born in 1851, only a few miles from the battle-field of Waterloo. He had a distinguished academic career at the University of Louvain and became president of the Belgian Royal Academy of Sciences, Letters, and Fine Arts. He was appointed Arch-bishop in 1906 and created a Cardinal in 1907. This portrait is repro-duced from a photograph given by Cardinal Mercier to the Rev. J. P. Stillemans, president of the Belgian Relief Bureau, New York City)

Then follows a justification of obedience is no sufficient rule of Christian citizenship." dience." He continues:

The laws of conscience are sovereign laws. We should have acted unworthily had we evaded our obligation by a mere feint of resistance. And now we would not rescind our first resolution; we exult in it. Being called upon to write a most solemn page in the history of our country, we resolved that it should be also a sincere, also a glorious page. And as long as we are required to give proof of endurance, so long we shall endure.

In the invasion of his country by Germany to patriotism as a Christian duty, which, in this outspoken and courageous priest refuses some of its passages, rises to heights of genu- to instruct his people to renounce a single ine eloquence. To the suggestion offered one of their national obligations as citizens. by certain citizens of neutral states that Bel- "On the contrary, I hold it as part of the gium might have saved herself so great a loss obligation of my Episcopal office to instruct of wealth and of life, and that a single can- you as to your duty in face of the power non-shot on the frontier would have served that has invaded our soil and now occupies the purpose of protest, the Cardinal indig- the greater part of our country. The aunantly replies: "Assuredly all men of good thority of that power is no lawful authority, feeling will be with us in our rejection of therefore, in soul and conscience, you owe these paltry counsels. Mere utilitarianism it neither respect, nor attachment, nor obe-

A report made by German officials to the Pope stated that 15,000 copies of the pastoral letter were seized in Malines and destroved, the printer being fined; that the Cardinal was detained in his palace during all of January 4; that he was prevented by German officers on January 3 from presiding at a religious ceremony; that they subjected him to interrogations and demanded of him a retraction, which he refused to make.

A GREAT BELGIAN,—ERNEST SOLVAY

Solvay, the great Belgian philanthropist and the German Governor of Brussels. the same Solvay who has contributed so much to the progress of science in Germany, as he has also contributed to its progress in other countries. But Germany came in for a larger share of his bounty through the application of his impartial methods, by the very fact that there is a greater number of people engaged in the study of physics in Germany than elsewhere.

The great Dutch physicist, H. A. Lorentz, contributes to the Revue du Mois, of Paris, an article devoted to Ernest Solvay, in which he expresses the highest respect for him and the keenest appreciation for his work. He says in part:

and his perseverance, one of the greatest and most flourishing industries of the world. In Belgium, the world. The distribution of the money was France, Germany, Russia, England, and the United States, the production of sodium, based on his tee, in which Belgium, France, Germany, Eng-formula, furnishes work to thousands of people land, Denmark, and the Netherlands were repre-The fortune which he accumulated during a half sented. Needless to say, the committee adhered century of activity has been to Ernest Solvay only strictly, in apportioning the money, to the princia means to an end: the development of scientific ples of impartiality upon which Solvay insists. He research and helping the cause of humanity, also created another international institute as a Those who have visited Brussels are familiar with branch of the first, on the same general princithe Institute of Physiology, the School of Comples, and endowed it likewise with 1,000,000 merce, and the Institute of Sociology, which were francs.

T was with painful emotions that the all founded by Solvay. Not content with this, the world of science learned that Ernest great Belgian undertook to make a reality an idea which Nernst, of Berlin, had conceived. With that end in view, he invited a number of scienscientist, had been taken as a war hostage, by tists from various countries to a conference, to This is discuss questions relating to modern physics.

> After the conference, which took place in 1911, and of which Professor Lorentz was made chairman, Solvay proposed to create an international institute of physics and endowed it with 1,000,000 francs. Professor Lorentz continues:

> Professor Heger, of Brussels, and myself were entrusted with the task of drawing up the statutes of the new foundation. Solvay gave us almost absolute freedom of action. He confined his instructions to the mere statement that after a certain sum had been reserved, in the interest of scientific pursuits in his own country, the rest was to be divided with strict impartiality among all other nationalities. This institution has been in existence two years.

In 1913 another scientific convention took place, Ernest Solvay has created, through his talents and again considerable sums of money were placed at the disposal of the chemists and physicists of entrusted to the International Scientists' Commit-

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Ernest Solvay [continues Professor Lorentz] is a great philanthropist as well as a great scientist. Shortly after the foundation of the institute he gave 1,000,000 francs for the betterment of the working classes of Belgium. It was primarily their education and enlightenment which he had in view. Besides all this, the University of Brussels, which is independent of the state, owes much to Solvay's great generosity.

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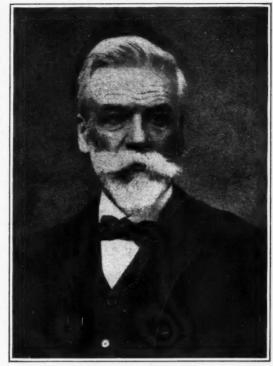
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Professor Lorentz concludes with the following words:

I hope that the misfortunes that have fallen upon M. Solvay and the people whom he represents so worthily will not prevent him from continuing his work for the advance of science and civilization. It is a work to which he seems especially called.

Ernest Solvay is seventy-six years of age. His father was a small manufacturer of salt, and in 1861 the son obtained the Belgian patent for a process of manufacturing soda, or sodium bicarbonate, by the action of ammonium bicarbonate upon brine. Most of the soda of commerce is now made by this process. On the fiftieth jubilee of the ammonia-soda process King Albert named M. Solvay Grand Officer of the Order of ERNEST SOLVAY, THE BELGIAN SCIENTIST AND PHILANTHRO-Leopold.



PIST: A HOSTAGE TO GERMANY

WORLD MISSIONS IN THE WAR CRISIS

S IXTY-FIVE of the 176 pages of the lateral Assembly of seven Presbyterian bodies. est International Review of Missions Ceylon is stirred by Buddhist zeal evoked by cial revival of Confucianism in China is Moslem converts in Christian churches. awakening a wide interest in religion, a proof Sir Harnam Singh, Moderator of the Gen- Missions,

(Edinburgh) are devoted to a survey of mis- Christian missions, while a native Christian sionary progress during 1914. In Japan so- missionary society is beginning a vigorous cacial unrest is leading to introspection, repent- reer. In Central Africa, Daudi has been ance, and the study of the Bible by many crowned first Christian King of Uganda, prominent men; a Christian university is be- forty years after Stanley's appeal to England ing hopefully agitated for; Japan's apprecia- to evangelize its people. In Siam Christiantive Emperor has donated \$50,000 to St. ity has been given equal rights with Bud-Luke's missionary hospital. The recent offi- dhism, the state religion. Java reports 24,000

Missionary periodicals are full of the war. of which is the systematic and guided study The February Missionary Review of the of the New Testament by more than 18,000 World (New York) presents a German view of the 150,000 who attended the evangelistic through Missions-Inspektor Schlunk, who remeetings of Sherwood Eddy; and the Roman ports that mobilization has called candidates Catholics report 100,000 additions to the from mission seminaries and has transferred Church. India's social conscience is awaken- Togoland and South China missionaries to ing to new social reforms; a woman's mis- the firing-line in those countries. Funds are sionary college is being started by ten coop- raised with difficulty and transmitted but selerating missions; increasing mass movements dom and uncertainly. Yet the religious wave will revolutionize India, is the prediction of occasioned by the war is helpful to German

minion of Christ."

tionary and Napoleonic era, when their great-relation to non-Christian races. can talk with Dr. John R. Mott." Profes- sionary responsibilities will thus result from sor Cramb's dictum, "Corsica has conquered the present conflict. Galilee," he thus comments upon: "Corsica may have momentarily eclipsed Galilee, but most sumptuous and popular of missionary Corsica ended in St. Helena, while Galilee, periodicals, World Outlook (New York), after the dark hour of Crucifixion, blazed the organ of the Methodist Episcopal Board into the immortal glory of Resurrection and of Foreign Missions, but catholic enough to

in China, from 635 A.D. onward, giving Josiah Strong, Secretary Daniels, President nine reasons for their failure. C. F. An- Jordan, Dr. Jefferson, Rabbi Wise, and othdrews, who has endeared himself to Indians ers equally prominent. through advocating their cause in South Afadministrators, respectively. Mr. Horsburgh the street. voices the objections of plain men to missions and partly acknowledges their validity and in the missionary enterprise is one sees illuspart shows their falsity. Archdeacon Far- trated in the February Spirit of Missions quhar, a negro Churchman sent by his West (New York), which happens to be a chil-Indian fellow countrymen to Africa, discrim- dren's number. inatingly explains the negro's differing status reached by Dr. Jefferys' tales from a and problems in South Africa, in the West Shanghai

tically and in righteousness. West contains two articles on the war and for whom are erected Seamen's Institutes, missions. In the second of these the British one of which is half-toned for us.

Basil Mathews voices the hopeful note of Empire and Germany are contrasted as to the British Missions derivable from the Revolu- ethical principles underlying war and their est societies were founded, and from the Cramb, Nietzsche and Treitshke are quoted Crimean and China wars, when they made as disregardful of the rights of the weak, and notable advances:—a hope fortified by con- the verdict of Confucianist, Buddhist, and tinued contributions and unflagging mission- Moslem is said to be opposed to the German ary interest. Britain and Germany alike lean doctrine and practise. Hindu India stands upon Dr. Mott, an American neutral, who, loyally by Britain's rule and spirit, and dark Mr. Mathews says, is "one of the greatest Africa is fighting under her banners. Meanreconciling personalities in the world to-day, while it seems probable that other territories British and Germans may not talk to one than Egypt, through its Sudan, will come another through the smoke of war, but we into her possession. New and increased mis-

Last January saw the launching of the the conquering progress of the enduring do- appeal to men of all faiths. Its format resembles that of Country Life in America. The Anglican missionary quarterly, The It is emphatically an outlook and not a world East and the West (London) for October last review, scrutinizing the forces of civilization begins with two articles, one describing the that are sweeping over twilight countries and history and possibilities of the Anglican bish- opening its pages to discussions of world-wide opric in Ierusalem, the other pleading for an significance in which men of varying creeds adequate negro and European ministry for participate. That of the initial number is English and Bantu peoples of South Africa. a symposium entitled "Is World Federation The Rev. A. C. Moule tells the story of fail- Practicable?" in which seventeen eminent ing Nestorian and Roman Catholic Missions men share-Andrew Carnegie, Oscar Straus,

Africa is the leading theme of the first isrica and at home, and who is now working sue, with North Africa of the future, Ethiowith India's poet laureate, Rabindranath Ta- pia on wheels, Europe-owned Africa, the gore, though still a missionary, argues for making of the new womanhood of North the incorporation of race factors into the Africa and what the editor-in-chief saw there, Indian Church and for the implied inter- as prominent sub-topics. Mr. Crowther's racial fellowship of all Christians there. The African railway article is particularly strikstudy of missionary history as to values and ing. If the initial pace can be mainmethods and the part played by negro agents tained and denominationalism is subordiin Uganda's Christianization are two illuminated, World Outlook will be on the newsnating articles for students and missionary stands and Missions will become a theme of

How many-handed and how whole-hearted Hearts and pockets are hospital. Principal Tamura's Indies, and in the United States, and asks the story of Mrs. Miyoshi, a homemaker of Church to solve the color problem ecclesias- Japan, is in quaint English which makes the life attractive. Ezra Everett's "Sailor Jack" The January issue of The East and the depicts the temptations and difficulties of men

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THE DISAPPEARANCE OF FRENCH LITERATURE

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In France, however, literary activity has met with much success. ceased almost entirely. Many of the French of them have already been killed and more works because the public would not buy them. In an article in Poetry and Drama Remy de Gourmont gives the following account of the literary ravages the war has caused in France:

In a day the war suppressed all the means by which men of letters ordinarily derived an income from their art. The greater part of the reviews have ceased to appear, or are published only in a much smaller form; even the daily papers have suspended all literary and pictorial contributions. It is hardly necessary to say that the publication of books has undergone the same fate. They all times. stopped short at the moment when the order for general mobilization was received. In the complex labor necessary to the material production of a book, the slightest disorganization of one of the parts stops the work. But on this occasion all were attacked progressively, and a total paralysis was

Moreover, what was the use of publishing books on if it had been physically possible? There even if it had been physically possible? was nobody to buy them, and hardly anybody to read them. It would have been making a present to the public which the public would not have noticed. The newest and most passionate book of day after.

When I returned to Paris at the beginning of October, committees of relief had been organized for writers, and the Société des Gens de Lettres had instituted free dinners for its members. It is apparent how rapidly distress had broken out when such extreme measures had to be resorted to. The writers could not write, the printers could not print, the readers could not buy and read. The no one knows when it will awaken.

ITERATURE being a luxury, it natu- ever, France is beginning to have a war litrally is the first to suffer from the social erature on a small scale. The military pubdisorganization brought about by war. In lishers, Berger-Levrault, have begun the puball belligerent countries there is a marked lication of a periodical album with high-class slump in the literary output. Even in effi- war pictures. They are also planning the cient Germany the tremendous yearly pro- publication of a review of the war, not put duction of novels, dramas, and other forms up in a journalistic hurry, but carefully of art has been greatly diminished, though treated by writers of distinguished scholarthe volume of war literature is large enough ship. Other publishers are planning similar undertakings, and even the issue of books. In England the situation is more normal. But so far as the books are concerned, it is The novelists continue to write novels, the still merely a hope. The only books pubtheaters continue to produce plays, and the lished to date, says Remy de Gourmont, are magazines appear regularly, unreduced in a few military pamphlets and a reprint of a short, fantastic military novel, which has not

The reality is so overwhelming that the writers are fighting in the trenches. Twenty French reading public does not seem to be interested in imaginary descriptions of war. than thirty wounded. Those remaining at They are satisfied with the official commuhome can find no publishers to bring out their niques from day to day, with the accounts of apparently monotonous movements of vast bodies of men, which, however prosaic they may seem in the dry military reports, fire the lively imagination of the Frenchmen with their tremendous import. Nevertheless, the Frenchmen have not lost their taste for reading. The public libraries, especially in Paris, find the same demand for their books now as before the war. Allowing for the decrease in the population of Paris, this would indicate a greater interest in reading than in ante-war

> The man who loves reading [Gourmont goes on to say] does not give it up willingly, and it is precisely during the hardest times that he feels the most need of books. The book-buyer who was thought to have vanished has reappeared, and since there are no new books he asks for last season's, even for last year's. This is another symptom of the revival of literature. Perhaps even when the enemy is driven from France, a few new books may be published.

To explain this, it should be borne in mind that Paris, to which many rich people returned during the day before mobilization did not exist on the the month of October, is totally deprived of amusements. There are no exhibitions, no social gatherings, no horse races, no theaters. Everyone feels the necessity for amusement, and everyone chooses what is perhaps the most speculative for a man of the world, but the most secret and most discreet,reading. In certain circles they are beginning to think that it was a mistake to close all the theaters. A number of actors and supers are on the streets, and they are the less resigned to their fate because literary organism slept. It is still sleeping, and of the Winter, which makes their hardships all the more distressing. Little by little the drama will re-Like the other belligerent countries, howplay dramas, but they will recite poetry and read We shall be surprised if genius has anything to pages of good prose.

In conclusion Gourmont indulges in a bit of somewhat timid speculation as to the fu-

the literature? If we knew, it would be deprived of much of its interest; for all literary work, even in the manner foretold. Genius loves surprises. a very excellent thing.

do with the war. But will it? Shells and bullets also love surprises.

A young officer, himself a writer, with whom I was discussing this question the other day on his return from the fifteenth battle during one month, said to me, "If the new literature is sincere, it will be cynical like war itself. Those who have passed What will the theater of tomorrow be and what through it will have no illusions. They will know human nature through and through." to me for a long time in this way, and even more the most serious, derives part of its value from the bitterly. But he, perhaps, is an exception. Nothquality of novelty. It is always disappointing to ing changes a man's temperament. Each will feel find things happen exactly at the hour and exactly the war according to his nature, and that will be

REGULATION OF PUBLIC UTILITIES

Perhaps a happier title and one less indica- erally expected." tive of confusion of thought as well as less conducive to confusion of counsel would have been "Municipal Policies as to Public Utilities,"-since "the man in the street" is only beginning to understand that by the term "public utility" is meant the providing of some sort of public service in any one of such necessities of the modern American community as water supply, gas, electricity for light and power, the telephone, the street railway, and so on; and since not one public utility in a hundred in the United States, at least, can truthfully be called a "municipal utility." However, under whatever grouptitle, the symposium of papers, addresses, and remarks thus published constitutes a highly interesting and valuable contribution to the consideration of a vitally important subject.

Among more than a score of able papers, one by Dr. Edward W. Bemis, a member of the Advisory Board, Valuation Department, Interstate Commerce Commission, on "Some Present-Day Issues of Public Utility Regulation," is notable for its comprehensive grasp of the whole question. Sketching in rapid review the significant developments of the last decade, Dr. Bemis points out empowered to deal with public utilities, to-

AST November a noteworthy conference many other States the utilities themselves are of American mayors was held in Phil- seeking to have commissions created. He adelphia for the discussion of the gigantic finds that "the tendency of a few years ago problem of public-utility control or regula- toward home rule in the regulation of these tion. The proceedings of that conference monopolies has been temporarily checked. have now been published as Volume LVII Municipal ownership, also, for a time, seemed of The Annals of the American Academy of to be sidetracked," although of late certain Political and Social Science, with the title: developments "indicate that State regulation "Public Policies as to Municipal Utilities." is not found to be as popular as was gen-

> Meantime [he continues], the growth of these utilities has been remarkable. The sale of artificial gas has more than doubled in the last ten years. The sale of electric light and power was over four times as much in 1912 as in 1902. The number of passengers carried by street railways more than doubled in the same ten years, while the estimated number of telephone messages was nearly three times as large in 1912 as in 1902. State commission regulation is now with us in most States. It can give us publicity and uniformity of accounts, tests of service, and many other benefits. We accept it where in vogue, and in this paper we consider how to meet some of the problems involved.

> These problems Dr. Bemis considers under eight separate classifications:

(I.) The failure of cities to realize that commissions tend to assume the attitude of courts, and to be influenced by the relative weight of evidence, rather than to become independent investigating bodies. (II.) The personnel of these commissions is of the greatest importance. (III.) The methods of determining the amount of property on which a reasonable return should be earned cannot be too carefully studied by all lovers of fair play. (IV.) Going value, reserves, and surplus earnings present big problems. (V.) apportionment of rates between various classes of electric consumers should not always be according to cost of service. (VI.) The virtual if not legal that whereas ten years ago Massachusetts validation of all our watered securities under the was the only State that had a commission guise of state approval of new securities is another serious menace. (VII.) The relation of regulation to municipal ownership. Commission reguday twenty-six States and the District of lation must be divorced from interference with the Columbia have such commissions, and in charges and administration of municipal plants, ex-

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You Boa man emp App cept in the requirement of publicity and uniformity upon the community as on the individual,—the be met with syndicates of cities.

In point of novelty, at least, the last topic in Dr. Bemis's list was his most important; and the conference of mayors voted to establish a "Utilities Bureau" as a nation-wide intercity agency for bringing the combined ability and experience of all our cities to

public-utility problem.

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Another paper which aroused much interest at the conference was that by Stiles P. Jones, secretary of the Voters' League of Minneapolis, on "What Certain Cities Have Accomplished Without State Regulation." Mr. Iones, an unconditional and thoroughgoing advocate of municipal ownership and operation of all public utilities, while admitting that State regulating commissions have cities that have worked out their own salvation that the largest degree of success in rates and service has been achieved." solution of the problem, he says:

Vesting in the State the regulation of the cities' cowardly dodging of plain civic duty and responsibility. The effect must inevitably be the same vigor."

of accounts. (VIII.) Syndicates of capital must loss of will and purpose and capacity to do other things. Municipal ownership has not come to our cities, and will not, through the route of State regulation, no matter how efficient in the public interests that regulation may be. In fact, the greater the efficiency the more distant the final day of public ownership. Municipal ownership is coming rather through the trials and experiences of a city wrestling bravely with its own problems, working them out in its own way, be it good or bad for the time being, and fitting itself, through the service of each city which may face a that experience, for the final step,-the step which will end the long night of conscienceless exploitation of the most valuable resources of our cities and the debauching of their public life to make private profits.

As a review of some of "the larger achievements of the cities," he then presents in roseate terms the accomplishments of Minneapolis in compelling a low gas rate and a greatly improved street-railway service; of Indianapolis, in forcing the lowest gas rate done some good, maintains that "it is in the in the country; of Seattle, in reducing electric rates by building a municipal plant; of Winnipeg, in like fashion; of Kansas City Holding and Pasadena, in the same field; of Detroit, that municipal ownership is the only possible Cleveland, and Toledo, in victories over their 'street railway monopolies," and of San Francisco, in building a municipal street railway giving access to the exposition grounds

TEACHER-MOTHERS IN NEW YORK **SCHOOLS**

New York City was absent from the school missioner Finley was: charge of neglect of duty. Her case was marriage and its social sanction?" appealed to the State Commissioner of Education, Dr. John H. Finley, who has revoked municated to the Board of Education: the decision of the board and ordered the reinstatement of the teacher. His reasons Society for January 16.

Commissioner Finley's findings are of interest to teachers and school officers throughsituation that may arise in the school administration of any State. In the State of New York and under the rules and practise of the Board of Education of New York City, married women teachers may be and are employed. Under a decision of the Court of

MARRIED woman employed as a missed on account of marriage after entering A teacher in one of the public schools of the service. The question presented to Com-"May the board for the purpose of bearing a child and was dismiss a married woman teacher for that dismissed by the Board of Education on the which is the lawful, natural consequence of

This is the Commissioner's answer as com-

Without undertaking to determine or to define here the limits of the board's discretion (and it for this action are summarized in School and is and has been the general policy of this Department to assure the widest discretion practicable) and without discussing here the advantages and disadvantages of the policy of employing married teachers or estimating their relative effiout the country, since they deal with a ciency (since such rehearsal would not touch directly the matter at issue) I present the conclusion to which I am compelled after a careful and thorough examination of all the papers in the case: That the board should have accepted the natural corollary of its policy, voluntary or enforced, of employing or retaining married women teachers, and should have given at least as favorable consideration to an absence for childbirth Appeals a woman teacher may not be dis- as is normally given to absences asked for rea-

improving health.

Home duties should doubtless, in some cases, form school duties. But it is difficult to conceive mere fact of motherhood. how a reasonable, unwilful absence, due to a natuwhy an absence for the most highly creditable social reason should be so treated.

zealous service, and efficiency on the part of the duty of the board to adopt a practise in accord teachers of the State, to prevent neglect of duty with the clear intent of existing law and in harand inefficiency and to eliminate incompetence; mony with this decision.

sons of personal convenience, of minor or grave and I attribute only such high purposes to the illness, or for purposes of study and travel or of board of education in its action in this case. But I am of the clear opinion, which I am obliged to follow, that these ends and purposes will not be suggest to the teacher her withdrawal from the served by selecting, or seeming to select, for stigma school after maternity. Dismissal for "general in- or reproach such a reason for temporary absence efficiency" would be warranted if upon return a from school duty as is offered in this case, or inteacher was found to be unable after trial to per- ferring, or seeming to infer, inefficiency from the

If, as this Honorable Board appears to hold, ral unavoidable cause, could be construed as married women teachers should ipso facto end neglect of duty; and it is difficult to understand their service upon maternity, this policy (which I cannot believe sound in principle or wholesome in practise) can be made possible only through legis-As Commissioner I would give every possible lation making it lawful to discharge, because of aid in my power to promote devotion to duty, marriage, a teacher in service. Meanwhile it is

A NEW MUSICAL PERIODICAL

cal Quarterly. Published by G. Schirmer Dublin. (New York and London), its editor is Oscar of the Library of Congress, where, since gether alluring term he means a comprecal libraries in the world. He is also the embrace every branch of study bearing upon author of several scholarly books on the history of music in America. He is eminently well qualified in every way for the task of piloting such a new venture in the sea of musical exegesis as this new quarterly, which, by reason of its seriousness of purpose, its scholarly tone, and its freedom from the bane of artists' advertising, at once takes the lead among the musical periodicals of the time, and deserves the support of every seriousminded musician and music lover.

The foundations of the new magazine were laid months before the outbreak of the European War, and that catastrophe placed the editor under the necessity of changing the distribution of his forces and of adjusting his plans to unwelcome circumstances. While the war lasts, doubtless, articles by distinguished foreign writers will be fewer than were solicited and promised. Yet this first number, besides a good showing of articles by Americans, contains contributions by J. A. Fuller-Maitland, formerly music critic of the London Times and editor of "Grove's Dictionary of Music and Musicians"; W. H. Hadow, dean of Worcester College, Oxford, editor of "The Oxford History of Music," and author of two admirable volumes of

NEW musical magazine has just made "Studies in Modern Music"; Francis its appearance. It is called the Musi- Toye, of London, and W. J. Lawrence, of

Among the articles by American contribu-G. Sonneck, who is probably better known tors, Waldo S. Pratt, professor of history of to writers on music and students of the his- music in the Institute of Musical Art, New tory of the art than to the general public. York, leads off with a paper "On Behalf of Mr. Sonneck is chief of the Music Division Musicology," by which curious and not alto-1902, he has built up one of the finest musi- hensively planned science of music that shall



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MR. OSČAR G. SONNECK (Editor of the new Musical Quarterly)

music-musical physics, or acoustics, musical olic Church," by H. T. Henry; one on regarded as a process of invention or manu- Function of Musical Criticism. under these seven divisions are legion.

is an article on "Music Reform in the Cath- vital distinctions dismissed as obsolete.

psychics (including all that is known or can "The Measurement of Musical Talent," by be discovered about those psychological phe- Carl E. Seashore, a well-known psychologist nomena which are distinctively musical), and inventor of psychological instruments; musical poetics (including whatever pertains and William J. Henderson, music critic of to the essential method or form of expression, the New York Sun, has a paper on "The

facture), musical esthetics, musical graphics Mr. William Henry Hadow's paper on (including everything pertaining to notation, "Some Aspects of Modern Music" is the whether manual or mechanical), musical work of a scholar who knows how to write, technics (including both instruments and and write gracefully, Moreover, he writes as methods of using them artistically) and a wise man,-a man of good, sound sense. He musical practics (including all practical apis is in sympathy with real progress, wherever plications of musical art). The subdivisions found, but he has no sympathy for fads, poses, or mere sensationalism. At the present day, T. P. Currier, of Boston, contributes he finds, because of the extreme rapidity with thirty-five pages of pleasant chat about "Ed- which the language and idiom of music have ward MacDowell as I Knew Him"-very altered during the last twenty years, it apreadable reminiscences; Francis Rogers pears as if the whole musical problem were writes of "America's First Grand Opera being restated; as if the very principles of the Season," when Manuel Garcia brought his art were called in question; as if its vocabumusical family to New York in 1825; there lary were being written afresh and its most

ETHNIC DARWINISM

and Albert Bushnell Hart is set forth in a terse article in the current issue of the Unpopular Review:

These distinguished scholars share with many diplomats and numerous nobodies the notion of who of necessity are foes. . . .

The advocates of this sort of cataclysmic ethnology speak a common language which explains elementary lucidity. In the present conflict, for example, France, belonging to a decadent race-Latin races are by definition decadent—has logically followed a privateering course of revenge. Latin races are short-sighted, but must act according to their lights, pending their predestined the existent great nations. passing off the stage.

England's case arouses some surprise. Having at Germany's shoulder in the second line of defense against the Slav, who is fundamentally an Asiatic and incidentally a Cossack.

Of course, Italy also having for a generation enjoyed treaty privileges with two Teutonic althe Latin irresponsibility in the present emergency, under teaching more or less competent. In her gradual and fated decline it would clear-Teuton than before the Asiatic.

been some Teutonic laying on of hands which has tained?

HE "ethnical tableau" of the war as effectually de-Asiaticized the Austrian Slavs, so approved by Professors Münsterberg that they may appropriately slay their still Asiatic cousins.

This application of the law of the survival of the fittest is Ethnic Darwinism. One nation is another's keeper at the subordinate nation's expense. Any intimation of equality a world divided into superior and inferior races means that the struggle for existence must begin over again.

Houston Stewart Chamberlain and others with the most complicated international relations with much ability have driven home the conviction that purity of race is all, and that only pure races are politically to be reckoned with, and that these are always in the long run competitive to the point of war. Now the very conception of pure race is biologically absurd, as applied to any of

The Basques, the Bretons, the Irish, the Highland Scots, the Jews, the Finns, the Scandinavians, been founded by good Teutons, Angles and Saxons, and possibly a moiety of the Slavs and Magyars she amazingly misses the point that her place is are about the only races in Europe that a scientific ethnologist would recognize as pure. England, France, Germany, Italy, Austria, even Russia, are highly hybridized, and very much for the good of those nations. When we speak of Teuton and Slav, we mean nothing more than masses politicallies might fairly have been expected to rise above ly united who think and feel more or less in unison good thinking can be encouraged, their bad thinkly be better for her to ground arms before the ing corrected, under wise instruction. Is it wise instruction to teach these nations that their aims The status of the great mass of Slavs in the and ambitions are fatally incompatible, the culture Austrian Empire is strangely neglected by these of one requiring the inferiority of the rest, the rise experts in world politics. Apparently there has of any, imperiling those who have already at-

A SUSPENSION BRIDGE OF VINES



SUSPENSION BRIDGE BUILT BY NATIVES ACROSS THE LUBEFU RIVER, CENTRAL AFRICA

IN the August, 1914, number of this shaped trough. Mr. Stockwell states that the Review (page 231) there was repro-bridge has three main cables composed of duced a photograph of a wooden cantilever twisted vines, one at the apex of the V and bridge built by Indians of British Columbia. one at either side, with two single vines run in This picture was seen by the Rev. J. A. between on each side, and every four to six Stockwell, an American missionary of the inches cross-vines are woven and tied in so Methodist Episcopal Church South, who is as to hold the whole structure together. The

Thinking that the REVIEW'S readers would be interested in the bridge-building efforts of the natives of Central Africa, Mr. Stockwell took the trouble to send us photographs of a suspension bridge across the Lubefu River, about 1500 miles from the sea.

This bridge, as will be seen from the photographs that are reproduced herewith, was constructed wholly of vines of a very tough, fibrous nature. The sides are nearly five feet high, and join at the bottom, forming a sort of V-

stationed at Lusambo, Congo Belge, Africa, bridge is further strengthened by numerous

guy vines running from different points on the bridge to the trees on either bank.

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From an architectural point of view, Mr. Stockwell describes the bridge as a fine piece of work, but states that the approaches are very difficult, being nothing but crude ladders made of round poles, also tied together with vines. The river at this point is nearly 150 feet wide, with a swift current, but the bridge is frequently called upon to support as many as six natives carrying loads of from 50 to 100 pounds each.



NATIVE CROSSING THE BRIDGE

A NEW TREATISE ON THE COSMIC RELATIONS

-the object of these interactions to bring about the expansion of our souls and the growth of permanent happiness.

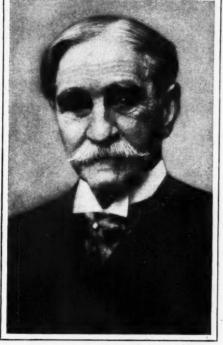
While we are very familiar with certain relationships and reactions between our souls and the Cosmos, we are very ignorant of others; and in many of the practicalminded of us there exists a disinclination to pursue this subject lest we fall over the edge of the proven fact into the abyss of the fanciful and the groundless. Mr. Holt makes it quite clear that there is no such danger, provided we will pursue our investigations in a sane and rational spirit such as characterizes our scientific research, together with a sincere desire for proof

Out of the voluminous reports of the Society of Psychical Research, Mr. Holt has selected that which he deems most illuminato believe that there is another life beyond

MR. HENRY HOLT presents in two death, and that to make full use of this life volumes a brilliant discussion of the we must make all possible preparation in the most important of the phenomena and com- one which we are now living. Out of the ment concerned with cosmic relations, that ripeness of his knowledge and experience, he has been distributed through forty volumes asks us to turn our faces "from Lombard of the investigations of the Society of Psychi- Street and Wall Street, not to speak of the cal Research. As Mr. Holt writes, "Cosmic Savoy and the Waldorf-Astoria," to look be-Relations" is a brief term for the interac- youd the material facts of our lives into the tions between the Soul and the Universe, larger spiritual universe toward which every

fact of evolution unerringly points the Mr. Holt way. writes in the preface:

Of course no one could sanely undertake an exhaustive treatment of the subject indicated by the title of this book. What I have attempted is an outline of the evolution of the relations between the soul and the external universe, and a summary of the recognized relations that are still so immaturely evolved as to be little understood. With the latest philosophy, I have assumed a germ of consciousness in each particle of star-dust, recognizing the consciousness when it becomes obvious in the recoil of protoplasm from contact, and following the evolution up through primitive life into the soul as we know it to-day. I have made this sketch with a special view to showing that the existence of an unknown universe is a corollary of the evolution of knowl-



MR. HENRY HOLT, THE NEW YORK PUBLISHER, WHO, AT SEVENTY-FIVE, HAS PRODUCED A MAS-TERLY WORK EMBODYING THE RESULTS OF PSY-CHICAL RESEARCH

of the expansion of human consciousness, edge. This has often been expressed in a sentence, but not often systematically expounded and illus-

Mr. Holt begins our lesson in evolution ting and helpful to those who are willing with a chapter on the body, since it is the instrument through which the soul functions to reach the greater Universe. He starts with the amæba, that little primitive cell-

By \$5. On the Cosmic Relations. B. Houghton Mifflin? 2 vols., 989 pp. Henry Holt.

up to the consideration of the nervous system of the human body, which he tells us in outline looks like a "statue of lace," and is world-soul: the apparatus for "the soul's voluntary reaction with the universe." Next mind and soul are considered,—the perceptions and the intellect, the emotions and the will, and all that is interwoven in their complex activities. On the evolution of monogamy he says:

The evolution of monogamy seems, in a rough way, to accompany the evolution of beauty, in-

telligence and character. .

With mankind, the prevalence of monogamy is the most distinct test of progress, not only as a characteristic of nations, but even of social sets. At the two extremes of life, among those debased by low nutrition and impoverished sensation, monogamy languished. Where bodies are healthiest, sensations and habits nearest normal, intelligence broadest, morals highest, and sensibilities keenest and most catholic, love in its whole blessed range from parents to each other and to offspring is deepest and most enduring; there monogamy has been the chief cause of the peculiar evolution, and is itself most thoroughly evolved; and the family as the foundation for the development of the individual and the state is nearest intact. This development means the enlargement of the Cosmic Relations.

Mr. Holt goes to considerable pains to disabuse the average intelligence of its misconceptions as to "table-tipping" and note of sublimity: other psychic phenomena. Psychic manifestations, when genuine, come from certain modes of force not generally understood; the author tentatively considers them as "telekinetic" and "autokinetic," accordingly as they act outside or through the body; and he is able to substantiate his statements with personal experiences that are remarkable and convincing. The phenomena of "dowsing" is Moses and Crookes, the effects produced by easier. Palladino, Mrs. Piper, and other famous mediums, telepathy, so-called obsessions, dreams, and mediumistic visions of the future life, memory, automatic writing,—hallucinations waking and sleeping, etc. His discussion of dreams shows us how little we really know about them. He hardly agrees with Fechner, Du Prel, and Myers, who have said that dreams were created by a submerged portion of one's own wits:

Never in my dreams have I seen or heard anything extraordinary in the arts where I have some trifling capacity; while in some arts where I have no capacity at all, I have from childhood seen things more beautiful than any human being has ever made. . . . The notion that I made in my dreams the beautiful things so far beyond my capacity, -some of them beyond anybody's, -

ancestor of the Greek Athlete, and leads us seems ridiculous. Perhaps they "just growed," like Topsy.

He conceives dreams as an inflow of the

Is there an inflow from the Power greater than ourselves, which not only as motion does our breathing, circulating and secreting, but as mind does our dreaming, feeling, and thinking?

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Mr. Holt's summing-up of the matter of our cosmic relations is in part as follows: That psychic manifestations bring to our understanding "for the first time an understandable and rational heaven," and go to prove that life in the hereafter is a continuance of life here with the trivial interruption of death. Also that it is probable that the future life will be considerably expanded as compared to this one and relieved of many of its "limitations and pains," In closing he postulates this significant question: as an argument for the future coherence and expansion of life,-one which will "weigh only with those who can find an affirmative answer.'

Does the course of my life seem to conform to some plan, not mine, which is profoundly significant if I am to survive the combination called my body, and which is foolishness if I am not?

His benediction to his readers touches a

Every book ought to contain things which will make its reader an inhabitant of a larger universe than he was before, and such is peculiarly the duty of any book attempting the themes of this one. Unless it has done that for you it has failed. If it has done that, though I may never know that it has, the labor in it is compensated.

And now good-bye, and thank you all for your patience. We may not meet again here for I leave soon; but whether we do or not perhaps considered; the rappings heard by Barret, sometime we will meet where meeting will be

> His long career as author, editor, and publicist has been infused by the spirit of youth, and his achievements are the result of initiative, character, and culture, combined with a great flow of dynamic energy, the whole guided and impelled by the ideal of the brotherhood of men. He was born in Baltimore in 1840, graduated from Yale and the Columbia Law School, and soon ventured modestly into a publishing business which afterward became "Henry Holt & Co." His work includes studies in economics and civics and two novels. The Unpopular Review, a quarterly launched in January, 1914, met with an instant and deserved success. journal adopts an attitude of cautious optimism in considering questions of public weal.

THE NEW BOOKS

RELIGION

The title suggests a certain attitude possession of mind, heart, and will. toward life. In youth we find many doors open: that they ever seem to close is because of our bondage to the flesh; there are always just as many "open doors" to the free spirit. Death is the last doorway, the entrance into the House of Many Mansions, and faith must support us in the belief that just as we needed life, so we also need death for the perfection of our individuality.

"The Reconstruction of the Church," by Paul M. Strayer, seeks to find a remedy for the decadence of religious influence as exercised by the Church to-day. He finds that it is suffering "under the law of diminishing returns." We have invested more energy, more heart, mind, and soul in it than ever before and with less return. What can we do; how can we bring religion back to the Church? This is the question Mr. Strayer's book answers with a discussion of helpful suggestions. Efficiency must be introduced, methods must be adapted to modern industrialism; we must reclothe the spiritual message in new garments to make it fit the needs of the modern world. Human differences must not be exaggerated and fostered by denominational differences, for only by the Church aiming steadily at the brotherhood of man as taught by Jesus Christ can it regain its lost power and persuasiveness.

It is related that on John Wesley's first voyage to America, he was astonished, during a storm at sea, by the calmness of the Moravians who were on board. Their religious experience had given them such fixedness in God that they were convinced that not even the terrors of the sea could harm them. The psychology of this kind of re-ligious experience and that of the many kinds that are distributed because of natural selection, among the various religious sects, is anaylzed in a careful study of "The Psychological Aspects of Christian Experience,"8 by Richard H. K. Gill. He considers sin to be a "mal-hypertrophy of attention," and that there are as many ways of awakening this attention and focusing it in the "dynamic center of psychic activity" as there are different types of human beings. One man may find salvation in meditation, another in communion with Nature, a third in the orthodox form of the established religion of his country. All are equally right. If the "sawdust trail" of a Billy Sunday arouses a man's wavering conscience and strengthens his good resolves, why, that is right, too. The great danger lies in the emotionalism of religious of cosmical history.

"THE OPEN DOOR," by Hugh Black, is a plunge the soul back into more profound abysses book of inspiration and faith-inspiration to than those from whence it climbed. Religion, to do our best, and faith in the illimitable bounty bring forth righteousness, must take harmonious

> Mr. Arthur Christopher Benson's new volume, "The Orchard Pavilion," will prove of unusual interest to the thoughtful. Three young men take a summer holiday in an old farmhouse in Gloucestershire and meet in the orchard pavilion to discuss their views of life. Each young man represents a different type of mind,-the first the materialistic, the second the artistic, the third the religious. Thirty years later one of the three men buys the farmstead for a summer residence, and once more the three men meet. The first has become a lawyer, the second an author, and the third a clergyman. On the day following their second discussion, the clergyman preaches a sermon which reveals the purpose of Mr. Benson's book,-to impress upon us in these troublous times, when prejudice animates our deeds in spite of good intentions, that "the one and only test of our nearness to God is the way we feel about other people."

> An excellent informational book for those who are interested in Sunday-school work is a sprightly narrative written by Frank L. Brown, "A Sun-day-School Tour of the Orient," which describes the experiences of twenty-nine religious workers on a trip through Japan, Korea, and China, undertaken for the purpose of increasing the facilities for the education of children in the Christian religion in the Far East. It is tersely written and copiously illustrated. The frontispiece is a photograph of Henry J. Heinz, whose kindliness and generosity made the trip possible.

> Several lectures and sermons by the zealous English Congregational theologian, Dr. Sylvester Horne, whose gifts attracted the attention of intellectuals in England and in this country, are published in a volume entitled "The Romance of Preaching." Dr. Bridgman, editor of The Congregationalist, writes of his achievements: "As preacher, organizer, author, pastor, and friend, Sylvester Horne did a work in his short life that in volume and quantity made him one of the most remarkable religious leaders of the age."

Mr. Henry B. Carré presents in "Paul's Doctrine of Redemption a philosophical interpreta-tion of the teachings of Christ as taught by the Apostle Paul, with the object of making clear the fact that Paul expounded the redemption of man as inseparable from that of the cosmos; or that the salvation of mankind is but a chapter

experience, the danger that the reaction will

1 The Open Door. By Hugh Black. Revell. 224

2 The Reconstruction of the Church. By Paul M.

2 The Reconstruction of the Church. By Paul M.

3 The Psychological Aspects of Christian Experience. By Richard H. K. Gill. Sherman French. 104 pp. \$1.

4 The Orchard Pavilion, By Arthur C. Benson. Putnam. 136 pp. \$1.

5 A Sunday-School Tour of the Orient. By Frank L.

6 The Romance of Preaching. By Sylvester Horne. Revell. 302 pp. \$1.25.

7 Paul's Doctrine of Redemption. By Henry B.

Carré. Macmillan. 175 pp. \$1.25.

POLITICS, SOCIOLOGY, ECONOMICS

to American gentlewomen as a duty to be under- man. taken solemnly with a deep sense of personal responsibility, for the sake of the advancement of civilization. He finds that the driving force of the charge that women do not take large or disinterested views of public questions, he brings the accusation that men,-including crowned heads,do not take large or disinterested views of public questions. But as all public questions must be entrusted to human beings Mr. Crothers is in favor of considering women as human beings and educating them to bear their full responsibility as

Mrs. Beatrice Forbes-Robertson Hale, in "What Women Want," gives a readable, well-reasoned, sympathetic exposition of modern feminism. She defines feminism as "that part of the progress of democratic freedom which applies to women"; and in her analysis of this new freedom for women steers clear of the stragglers who wander on unexplored bypaths of the feminist movement, and avoids the violent radicals, in order to bring to the average woman (and also to the average man) a safe and sane interpretation of the newstraightforward analysis of the things women really want, sometimes blindly, sometimes intelligently. After all has been said they resolve into "love and work," as Mrs. Hale aptly phrases it. Love woman must have; it is her heritage, and work she must have, too, in order that her love shall not languish and turn into mere in-"infusion of women into the world's affairs" will instantly have the result of bringing about a reign of "sweetness and light." Man has his special genius, that of creation and discovery; woman that of ordering and guarding. Man will, woman will rise to full appreciation of the social question.

M. SAMUEL M'CORD CROTHERS' "Medimother-power she will be able to exercise once tations on Votes for Women" urges suffrage she has been trained shoulder to shoulder with

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Mr. Frederic C. Howe, who is Commissioner of Immigration at the port of New York, has been the movement for equal suffrage is not feminism for many years a student of city life and adminisbut Democracy, and he comments crisply that tration at home and abroad. "The City the Hope women in expressing their opinions "should be of Democracy," "The British City: the Beginnings allowed to be as unobtrusive as men." Against of Democracy," and "European Cities at Work" are three of Mr. Howe's books that have been widely read and have exerted much influence towards the formation of a healthy public opinion in America on municipal questions. His latest work, "The Modern City and Its Problems," sums up his message in that it shows in a comprehensive way what European cities are doing for the populations under their jurisdiction, and reveals at the same time the backwardness of American municipal governments. However, it is distinctly constructive criticism that Mr. Howe offers, and several of his chapters set forth in a striking and suggestive way the progress that has been made by American cities within recent years. The charter changes in the direction of commission and city-manager systems of government have been studied by Mr. Howe to good purpose and his observations under these heads are instructive. His conclusions are optimistic.

"Corporate Promotions and Reorganizations," in old urge that stirs modern women. After an the "Harvard Economic Studies," is a remarkable interesting discussion of the years behind the compendium of the essential facts in recent expewoman of to-day, Mrs. Hale launches into a riences of "Big Business." The author, Dr. Arthur S. Dewing, never obtrudes his personal opinions or theories, but confines his task to a marshaling of data. He describes both successful and unsuccessful attempts at reorganization, relating in detail such episodes in financial history as the promotion and failure of the National Cordage Company, the reorganizations of the cordage consolidations; stinct. She does not pretend that the sudden the promotion, collapse, and reorganization of the Asphalt trust, and the ups and downs of the United States Realty and Construction Company, the American Bicycle Company, the United States Shipbuilding Company, and other well-known organizations. This material, which must have been as the result of woman's cooperation, rid himself gathered at a vast expenditure of time and effort, of many burdens such as that of militarism; is invaluable as a basis of legislation on the trust

STORIES FROM LIFE

ENTHUSIASM, fire, sincerity, and the capacity sented in "Hero-Tales and Legends of the Serfor intense emotion exhale from the soul of bians," by Woislau M. Petrovitch. The former The psychology of Servia, as it finds expression in the history of the Serbs, their folklore, epic poetry, ballads, superstitions, and customs, is pre-

Servia, -- a country characterized by one of its own Serbian minister at the Court of St. James's, statesmen as the most poetic of the Slavonic nations. Chedo Miyatovich, has written the explanatory preface. The illustrations are exceptional; they consist of thirty-two exquisite color plates by William Sewell and Gilbert James vividly picturing Serb life.

> To rescue the color and atmosphere of a for-gotten epoch of American civilization from oblivion and restore it to us in all the freshness

¹ Meditations on Votes for Women, By Samuel McCord Crothers. Houghton Mifflin. 81 pp. \$1.

² What Women Want. By Mrs. Beatrice Forbes-Robertson Hale. Stokes. 307 pp. \$1.25,

³ The Modern City and Its Problems. By Frederic C, Howe. Scribners. 390 pp. \$1.50.

⁴ Corporate Promotions and Reorganizations. By Arthur S. Dewing. Cambridge: Harvard University Press. 616 pp. \$2.50.

⁶ Hero-Tales and Legends of the Serbians. By Woislau M. Petrovitch. George G. Harrap & Co., London. 393 pp. 15 shillings net.

compared to the inspiring task of the archeologist, most inspiring to those who are really anxious to who, digging in the sands of some ancient soil, serve humanity. uncovers the glorious perfection of an antique statue, which but for his toil had been utterly stored to us Spanish California, the vanished Latin came to attention as a poet with two volumes of civilization in America, in her two splendid stories unusual verse, "Insurrections," and "The Hill of "Rezanov" and "The Doomswoman," now republished under the title "Before the Gringo "The Crock of Gold," a naïve, whimsical medley Came." "Rezanov" is the romance of a Russian of personalities, poetry, romance and philosophysoldier of fortune who dreamed of a mighty em- a work especially esteemed by his own countrypire on the Pacific. "The Doomswoman" brings men. After this came "Here Are the Ladies," us a wonderful heroine, beautiful Chonita Iturbi "The Threepenny Bit," that moved his admirers y Moncada, the ill-starred girl of noble birth, to tears and laughter, and now we have a kind of whose love for Diego Estenga, the scion of a sequel to the last named work in "The Demirival house, brings her great romance at the Gods." price of inevitable tragedy.

Century Magazine by Lucy Furman, is now pub-lished in book form with an introduction by Ida mulates knowledge; a Cherub is one who accu-lished. It is a beautiful interpretation of "the nations."

and charm of its actual existence can only be proper application of the Settlement idea," and

James Stephens is the latest Celtic genius to lost to the world. Gertrude Atherton has re- make a flare in the literary firmament. He first

Patsy McCann and his daughter Mary are "trampers." They go up and down the roads of Fifteen years ago several young women went Erin with a donkey and a cart, carefree, and coninto the "moonshine" region of the Kentucky cerned only with a "hunt for food." Down upon mountains and spent successive summers instruct- the wayfarers descend three angels with crowns ing the mountaineers in simple medicine and hy-giene, singing, sewing, kindergarten work, and let, gold and purple." They wish to try tramping the art of friendly relationship with one's neigh- for a change with Patsy McCann and the donkey bors. These young women finally started a set- cart, so their grandeur is buried under a tree and tlement school at Hindman which has grown and Patsy pilfers some clothes as dilapidated as his prospered until one hundred children live in it own for their use. Then the strangely assorted and two hundred more attend day school. These company pass on to bewildering adventures. For children are trained especially for the life they those who like to discover hidden wisdom in their must lead in their mountain homes. Social service reading, it is well to say that the angels tell stowork is carried on and a market is found for the ries of hell and heaven and all the mysteries of basketry and the weaving done by the women time and space. "Fiaun was an Archangel when The nursing and hospital work also deserves spe-cial mention. A story of an incident of this work, and Art was a Cherub. An Archangel is a coun-"Sight to the Blind," written originally for the selor and a guardian; a Seraph is one who accu-

POETRY AND THE DRAMA

THE valuation of poetry is largely a matter he selected a preponderance of purely intellectual of personal taste. The poem that stirs the poetry that was at times cloying and stifling. imagination and the scope of our experience. Therefore the business of making a pleasing anthology of the year's best verse is not an easy task, even if one only takes into consideration the consensus of cultivated taste. Mr. William Stanley Braithwaite succeeds admirably in this difficult undertaking. His "Anthology of Magazine Verse for 1914" surpasses its predecessors in the excellence of its poetry, and also in other literary matters contained therein,-the valuable criticism and the interpretative summaries of recent books of verse.

If in the past aught could be brought against Mr. Braithwaite's choices of verse, it might be said that through paucity of our productive range,

depths of emotion in one man may impress the This year, owing to the change that has come next as a piece of cold verbiage, inasmuch as our over the American Muse, we find in the pages appreciations depend largely upon our reflexes, of his Anthology a return to simplicity and the and our reflexes upon the potentiality of our primitive. We have the roaring "clang-a-ranga" of Vachel Lindsay, the vigorous vers libre of James Oppenheim, and the artless story-telling of Conrad Aiken, together with an abundance of other stirring verse, that somehow clears the mind and frees the emotional centers that have become clogged with the finely drawn subtleties of intellectualism. Mr. Braithwaite notes several items of interest; that the quality of American poetry steadily improves; that it can,-still keeping the super-music of true song,-deal with realities; also that the best war poems have so far been written by American poets.

He reminds the newspapers and periodicals of their stewardship in regard to reviewing the books of poetry they receive. Poetry,-so often the voice of spiritual reality,-should not be dismissed with perfunctory comment or supercilious criticism. His summaries are divided into five sections; ten books of poetry for a small li-brary, twenty-five for a larger library, a supplementary list of significant books of verse, forty books about poetry, and twenty-five additional volumes that deal with technique, theory, history

¹ Before the Gringo Came. By Gertrude Atherton. Stokes. 369 pp. \$1.35. ² Sight to the Blind. By Lucy Furnam. Macmillan.

⁹² pp. \$1. The Demi-Gods. By James Stephens. Macmillan.

³¹⁶ pp. \$1.30.

Anthology of Magazine Verse for 1914. By William Stanley Braithwaite. Issued by W. S. B., Cambridge, Mass. 205 pp. \$1.50.

are as follows: "The East I Know, by Faul govern and those who are governed in the Inter-Claudel; "The Single Hound," by Emily Dickpine Islands. They are the work of Norbert inson; "Collected Poems," by Norman Gale; Lyons, associate editor of the Manila Daily Bul-"Georgian Poetry," edited by E. M.; "The Congo letin, and were first published in the columns of and Other Poems," by N. Vachel Lindsay; "The that paper. Present Hour," by Percy Mackaye; "The Complete Poems of S. Weir Mitchell," "Songs for the New Age," by James Oppenheim; "The Grand Canyon and Other Poems," by Henry VanDyke, and "The Flight and Other Poems," by George Woodberry.

Mr. Henry Herbert Knibbs knows the West. Incidentally he knows men and horses and the combination gives us real thrills in "Songs of the Outlands," a book of hearty swinging ballads that are now colorful with the joy of the untrammeled life of desert and plain, and now poignant with the tang of bitter experience. Mr. Knibbs is a second Bret Harte in his portrayal of the "rough diamond" kind of man, who has played the major rôle in the subjugation of the West. "Out There Somewhere" is a ballad calculated to produce wanderlust in the heart of the most home-keeping office toiler; "The Mule Skinner" and "When the Ponies Come to Drink" are capibring mists to the eyes of any lover of horses, the social mass. The dramatist has been succan take "any road at any time for anywhere."

The "Lays of Sergeant Con" are breezy, ramping Mistral.

of poetry, and matters concerned with the lives, rhymes, chiefly refreshing because of their swift letters and personalities of poets. The ten best flashings of humorous and satirical insight into books of the year as selected by Mr. Braithwaite the social and moral reactions of those who are as follows: "The East I Know," by Paul govern and those who are governed in the Philip-

> "Flood Tide." a book of sympathetic verse by Carolyn E. Haynes, has had considerable local appreciation. There is a desirable boldness and freedom in the poems, but often obvious poetic imagery mars a fine inspiration. "Pain," "The Toiler," and "Alone" have strength and poetic certainty, and "The Mirror" is a pleasant bit of ironical badinage.

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"The Great Galeoto," the masterpiece of the Spanish dramatist, Jose Echegaray, translated by Jacob Fasset, is now added to the publications of the Contemporary Dramatists Series. It is the most trenchant and widely read of Echegaray's work,-a play in which the leading character cannot appear because the leading character is,-"Society." It depicts the evil workings of a cruel slander upon the lives of innocent persons and reiterates the ancient admonition,-"speak no evil, hear no evil, see no evil." Galeoto was the gotal lyrics. "The Walking Man," a pathetic tale between for Guinevere and Lancelot; Echegaray of a cowboy who does penance for the murder makes society the "Great Galeoto," and fastens between for Guinevere and Lancelot; Echegaray of his pony by walking the rest of his life, will a weight of responsibility upon each member of The best thing about these songs is the impulse cessively mathematician, statesman, and man of to freedom that they infiltrate in the blood. The letters. He is eighty-one years of age, and in reader feels at least for a whole minute that he the last twenty-five years has written sixty plays. can take "any road at any time for anywhere." In 1904, the Nobel prize for literature was divided between Echegaray and the Provençal poet,

PHILOSOPHY

woman throughout the ages. shown to have evolved from the sex instinct of savages and from the sensuous love of the civilized races of antiquity, to the high pinnacle of romantic, often found,-as Dr. Lucka thinks,-in the Ger-North American peoples. The longing for "synthesis" he finds growing more powerful. "The yearning for the absolute, for perfection, no longer separating and selecting, but embracing man as a whole, annihilating body and soul in a higher instronger and stronger." And he adds to this the love cannot find its consummation on earth, be-

EROS," by Emil Lucka, translated by Ellie cause the will and longing of love ever reaches Schleussner, attempts to philosophize upon the "beyond the attainable to the infinite." To the development of human love between man and mature mind this book will bring the graciousness Idealistic love is of a better understanding of love and life.

If a man wishes to know himself he has only to equip himself with proper knowledge, accordmystical, and metaphysical love that to-day is most ing to the physiognomists, and look in a mirror, where he can read the indelible writing that his manic race, in which he includes the British and habitual thoughts and deeds have traced upon his features. It is in a measure true that a single peculiarity synthesizes our destiny, so radically have the accustomed acts of our lives altered our features, changed our manners and carriage, and modified the tones of our voices. By way of paratuition, the longing for mutual self-surrender, for dox, it has been said that "Cæsar was assassinated giving and receiving an undivided self, is growing because he was ashamed of being bald; Napoleon ended his days in St. Helena because he was fond conclusion at which all mystics arrive: that great of the poems of Ossian; Louis Philippe abdicated the throne as he did because he carried an umbrella," etc. "Character Reading Through Analysis of the Features," by Gerald Fosbroke, is an results of the Outlands. By Henry Herbert Knibbs. Houghton Mifflin. 74 pp. \$1.25. Stays of Sergeant Con. By Norbert Lyons. The Times Press, Manila, P. I. 117 pp. 2 pesos. Flood Tide. By Carolyn E. Haynes. Badger. 85 field of research. It is published with fifty-six original drawings by Carl Bohnen.

⁶ Character Reading Through Analysis of the Features. By Gerald Fosbroke. Putnam. 193 pp. \$2.50.

pp. \$1.

The Great Galeoto. By Jose Echegaray. Richard Badger. 202 pp. 75 cents.

Eros. By Emil Lucka. Putnam. 379 pp. \$1.75.

CLASSIFIED LISTS OF RECENT **PUBLICATIONS**

BOOKS RELATING TO THE WAR

Austria-Hungary and the War. By Ernest Ludwig. New York: Ogilvie Publishing Company. 220 pp. \$1.10.

A statement of the Dual Monarchy's case by the Austrian Consul at Cleveland, with a preface by Ambassador Dumba, details of the Serajevo trial, and a description of conditions in Bosnia and Herzegovina from the Austrian viewpoint.

The Nations at War, By L. Cecil Jane. Dutton. 228 pp. \$1.

An optimistic forecast of the war's results, from the standpoint of the Allies.

The War and Democracy. By R. W. Seton-Watson, J. Dover Wilson, Alfred E. Zimmerman and Arthur Greenwood. Macmillan. 390 pp. 80 cents.

In this volume four British writers present their views of the new responsibilities that have been placed upon the British democracy by the

Life in a German Crack Regiment. Baron von Schlicht (Count von Baudissin). Dodd, Mead. 320 pp. \$1.

An exposure of the personal life of members of the German military caste, as represented in the official personnel of the "Golden Butterflies," a regiment exclusively officered by the Prussian nobility.

America and the World War. By Theodore Roosevelt. Scribner's. 277 pp. 75 cents.

A book made up of syndicate and magazine articles by Colonel Roosevelt on the subject of American preparedness. From several of these articles the REVIEW OF REVIEWS has already quoted.

Germany's War Mania. By the German Emperor, the German Crown Prince, Dr. V. Bethmann-Hollweg, Prince von Bülow, General von Bernhardi, General von der Goltz, General von Clausewitz, Professor Treitschke and Professor Delbrück. Dodd, Mead. 272 pp. \$1.

This is an English attempt to present "the Teutonic point of view as officially stated by Germany's leaders." It is a collection of speeches and writings.

Alsace and Lorraine from Cæsar to Kaiser, 58 B.C.-1871 A.D. By Ruth Putnam. Putnam. 208 pp. \$1.25.

A connected sketch of the two provinces that again form a storm-center in the contentions of the great European powers.

India's Fighters: Their Mettle, History and Services to Great Britain, By Saint Nihal pany. 252 pp., ill. 85 cents.

A stirring and picturesque recital of the deeds of a body of warriors who are now for the first time engaged in battle on European soil.

England, Germany, and Europe. By James Wycliffe Headlam. Macmillan. 24 pp. 4 cents.

Britain and Turkey: The Causes of the Rupture. By Sir Edward Cook. Macmillan. 31 pp.

An Englishman's Call to Arms. Macmillan. 4 pp. 2 cents.

The Economic Strength of Great Britain. By Harold Cox. Macmillan. 8 pp. 2 cents.

A ser's of brochures and appeals by eminent British publicists.

BIOGRAPHY

The Story of Wendell Phillips. By Charles Edward Russell. Chicago. Charles H. Kerr & Company. 185 pp. Fifty cents.

A Socialist's analysis of the great anti-slavery agitator's inspiring career.

Personal Memoirs of John H. Brinton. Neale. 361 pp. \$2.

The life history of one of the most distinguished surgeons in the federal army during the Civil War. An introductory note was supplied by the late Dr. Weir Mitchell.

Life of Turner Ashby. By Thomas A. Ashby. Neale. 275 pp. \$1.50.

A biography of the famous Confederate cavalry leader who was killed in the second year of the Civil War while in command of all the cavalry in the "Army of the Valley" (Virginia troops).

Sir John French: An Authentic Biography. By Cecil Chisholm. Stokes. 152 pp. 50 cents.

A timely sketch of the man who is characterized by Sir Evelyn Wood as "the driving force of tactical instruction in the British Army.

The Life of Friedrich Nietzsche, By Daniel Halévy. Macmillan. 368 pp. \$1.25.

A convenient translation of the biography by Halévy which is based on the more elaborate work of Madame Förster-Nietsche. Introduction by T. M. Kettle.

Life of Benjamin Disraeli. By William Flavelle Monypenny and George Earle Buckle. Macmillan. Vol. III (1846-1855). 591 pp., ill. \$3.

The third volume of Disraeli's life covers the important period of British politics culminating in the Crimean War.

Memories of Forty Years. By Princess Singh. London: Sampson Low, Marston & Com- Catherine Radziwill. Funk & Wagnalls. 357 pp., ill. \$3.75.

men as Asquith, Morley, Winston Churchill, and likens poverty to preventable diseases. Lord Rosebery; of Moltke and Hohenlohe among the Germans, and Tolstoy and Witte among the

Makers of America: Franklin, Washington, New York: Immigrant Publication Society. 205

Brief biographies prepared for the use of the foreigner in our night schools and libraries as a second or third book in English.

Sir George Etienne Cartier, Bart.: His Life 223 pp., ill. \$2. and Times. By John Boyd. Macmillan. 439 pp., ill. \$5.

This biography of one of Canada's greatest statesmen is really what its sub-title indicates,a political history of Canada from 1814 until 1873, embracing the period of federation.

A Walloon Family in America. Two vols. By Mrs. Robert W. de Forest. Houghton Mifflin. 705 pp., ill. \$5.

A most interesting narrative of the achievements of several generations of de Forests in the new world. It is far more than a mere gene-

ECONOMICS AND POLITICS

The Anthracite Coal Combination in the United States. By Eliot Jones. Harvard University Press. 261 pp. \$1.50.

A study not only of the trust movement in its ordinary aspects, but as complicated by questions of railroad control and the ownership of natural

Conciliation and Arbitration in the Coal Industry of America. By Arthur E. Suffern. Houghton Mifflin. 376 pp. \$2.

One of the Hart, Schaffner & Marx prize essays, describing the methods of voluntary settlement of disputes in the coal industry. There is a chapter on the experience of Great Britain.

Problems of Community Life: An Outline of Applied Sociology. By Seba Eldridge. Crowell. 180 pp. \$1.

An outline, or syllabus, of topics related to the improvement of working and living conditions in New York.

The Social Commonwealth. By Bernard A. Rosenblatt. New York: Lincoln Publishing Cor- wood. Cincinnati: The Standard Publishing Comporation. 189 pp. \$1.25.

A plan by which the individual may be assured of the necessities of life, while the community is a conservative standpoint. enabled to secure an economic surplus that may be utilized for social progress and a better communal

The Abolition of Poverty. By Jacob H.

at Johns Hopkins University, who believes that to begin the study of mental culture and the ac-"the essential causes of poverty are determinable quirement of personal and business power."

Anecdotes of such representative English states- and its considerable presence unnecessary." He

Neighbors: Life Stories of the Other Half. By Jacob A. Riis. Macmillan. 209 pp., ill. \$1.25.

Mr. Riis vouched for the truth of these stories. "It is as pictures from the life in which they and Jefferson, Lincoln. By Emma Lilian Dana, we, you and I, are partners, that I wish them to make their appeal to the neighbor who lives but around the corner and does not know it."

> The Middle West Side. By Otho G. Cartwright. Mothers Who Must Earn. By Katharine Anthony. New York: Survey Associates, Inc.

> Admirable studies of labor and living conditions in a part of New York City that has never been much exploited by writers on social reform. Miss Pauline Goldmark is directing this investigation, the funds being supplied by the Russell Sage

> Boyhood and Lawlessness. The Neglected Girl. By Ruth S. True. New York: Survey Associates, Inc. 143 pp., ill. \$2.

> In this volume many striking facts are presented relating to the New York boy gangster and his

Doing Us Good and Plenty. By Charles Edward Russell. Chicago: Charles H. Kerr & Company. 172 pp. 50 cents.

Mr. Russell is regarded by his fellow Socialists Cambridge: as one of the most popular American exponents of their cult. His publishers announce his present volume as "the best American book of Socialist propaganda yet published."

> Capital. By George L. Walker. Boston: Dukelow & Walker Company. 64 pp. 15 cents.

> A vigorous defense of capitalism by the editor of the Boston Commercial.

> The Individual and the Social Gospel. By Shailer Mathews. New York: Missionary Movement of the United States and Canada. 84 pp.

A brief text-book of "applied Christianity."

Drift and Mastery: An Attempt to Diagnose the Current Unrest. By Walter Lippman. Kennerley. 334 pp. \$1.50.

A volume made up of shrewd, clear-sighted discussions of current social and economic problems.

The Creation of Wealth. By J. H. Lockpany. 225 pp. \$1.

A discussion of modern business problems from

Secrets of Personal Culture and Business Power. By Bernard Meador. New York: David Williams Company. 161 pp. \$2.

A series of articles addressed to the American Hollander. Houghton Mifflin. 122 pp. 75 cents. business man and intended "to interest, to enter-An essay by the Professor of Political Economy tain, and to intensify the desire to know; a desire Fe de Fi

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Business Administration. By Edward D. 275 pp. \$2.

The new profession that has to do with "the administration of manufacturing and operating companies under modern conditions" is recognized in this work. The underlying scientific principles are analyzed.

Money and Banking. By John Thom Holdsworth. Appleton, 439 pp. \$2.

The first comprehensive text-book of the subject to reproduce and analyze the provisions of the Federal Reserve Act. The author of the work is dean of the School of Economics and Professor of Finance at the University of Pittsburgh.

Stokes. 238 pp. \$1.

It would not be advisable to leave a newlyarrived foreigner alone with this book for any length of time, but the dyed-in-the-wool American may be safely entrusted with it. His sense of humor will protect him and help him to see his own foibles.

Municipal Charters. By Nathan Matthews. Cambridge: Harvard University Press. 210 pp. \$2.

A discussion of the essentials of a city charter, with forms, or models, for adoption, major emphasis being laid on administrative provisions.

Carrying Out the City Plan. By Flavel Shurtleff in collaboration with Frederick Law Olmsted. New York: Survey Associates, Inc. 349 pp. \$2.

A treatise of the practical application of American law in the execution of city plans.

Civic Righteousness and Civic Pride. By Newton Marshall Hall. Sherman, French. 198

A discussion of civic problems from the ethical standpoint.

The Judicial Veto. By Horace A. Davis. Houghton Mifflin. 148 pp. \$1.

Three essays contributing to the conclusion that deciding the constitutionality of statutes is a political and not a legal function.

The Doctrine of Judicial Review. By Edward S. Corwin. Princeton: Princeton University Press. 177 pp. \$1.25.

An interesting presentation of the legal and ton Mifflin. 234 pp. \$1. historical basis of judicial review.

The Anti-Trust Act and the Supreme Court. By William H. Taft. Harper's. 133 pp. \$1.25.

Ex-President Taft's discussion of the decisions under the Sherman Law, with his views as to their effect on business.

Progressive Democracy. By Herbert Croly. Macmillan. 430 pp. \$2.

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The author of "The Promise of American Life" analyzes in this new book the modern progressive democratic movement with reference to its origins, and outlines present tendencies.

Open-Air Politics. By Junius Jay. Houghton Mifflin. 236 pp. \$1.25.

A brilliant discussion of syndicalism and allied Jones. New York: The Engineering Magazine, topics by "an American, eminent in public life and of more than national fame."

REFERENCE BOOKS

The Desk Standard Dictionary of the English Language. Abridged by James C. Fernald. Funk & Wagnalls. 894 pp., ill. \$1.50.

An abridgement of the Funk & Wagnalls New Standard Dictionary in a volume of convenient size for desk use. In the space of 900 pages 80,000 terms are defined and illustrated.

Routledge's New Dictionary of the English Language. Edited by Cecil Weatherly. Dutton. 1039 pp. \$1.25.

A work of English origin, although partially Sizing Up Uncle Sam. By George Fitch. based on the American Webster. The editor also makes acknowledgments to the "Century Dic-

> Foreigner's Guide to English. By Azniv Beshgeturian. Yonkers, N. Y .: World Book Company. 268 pp., ill. 60 cents.

> A book designed for teaching English to foreigners in evening schools. It is based on the "object and action" method as applied by the author in the evening schools of Boston.

Familiar Quotations. By John Bartlett. Little, Brown. 1454 pp. \$3.

This tenth edition of a standard book of reference has been revised and enlarged by Nathan Haskell Dole, the original compiler, John Bartlett, having died ten years ago at the age of eighty-five.

The American Whitaker Almanac and Encyclopedia for 1915. Edited by C. W. Whitaker. Doubleday, Page. 648 pp. \$1.

An Americanized "Whitaker," containing "9000 indexed facts concerning the trade, production, population, government, and general statistics of every State in the United States.

Foster's Complete Hoyle: An Encyclopedia of Games. By R. F. Foster. Stokes. 701 pp., ill. \$3.

The original Hoyle wrote on comparatively few games and died more than a century ago, but his name stands to-day as a sign of authority. His successor is Mr. R. F. Foster, an expert on practically every indoor game.

Salesmanship. By William Maxwell. Hough-

A suggestive and vivacious treatment of a somewhat humdrum topic.

How to Play Baseball, By John J. Mc-Graw. Harpers. 151 pp. 60 cents.

A standard manual for boys by one of the baseball heroes of our day.

Who's Who 1915. Macmillan. 2376 pp. \$3.75.

This English cyclopedia of contemporary biography has reached its sixty-seventh year of issue. The celebrities that it sketches are not confined to those of British birth, but many continental Europeans, as well as some Americans, are included.

FINANCIAL NEWS

I.—THE DAY OF LOW-PRICED STOCKS

CUSPENSION of dividends on the word. No doubt a careful analysis would roads, municipalities, and other corporations Singer Manufacturing, and many others. should flood the market with their obliga-September, October, and November.

after every panic or "near" panic the re- quently odd-lot buyers acquire one share each weaker securities. nothing is salable. Then the best State and lar and speculative aspect. municipal bonds find a market, first at low prices, then at higher. Then the best railroad bonds are taken up, and before long

What Shall the Small Investor Buy?

dividends and may never pay any.

There is something in human nature that craves many, many pieces of paper. Benja- the future sell higher. The further point min Franklin's injunction never to buy a that people can afford to buy Erie or Souththing only because it is cheap may be quoted ern Railway common who cannot afford in vain, even though many low-priced stocks higher-priced stocks is utterly disingenuous,

United States Steel Corporation's \$508,- reveal that far more money has been lost in 302,500 common stock and the successful re- low-priced stocks than in excessively highsumption of new bond issues on a large scale priced ones. The commonest reason for very have been the main features of the month's low prices is a minimum of income-producing financial news bearing directly upon the in- power, either actual or potential, whereas vestor. Both may be traced to the war. For the commonest reason for very high prices is months all new security issues were blocked, a potential income-producing power of high and now that financial conditions are no degree,—witness such stocks as Procter & longer demoralized it is no wonder that rail- Gamble, Sears, Roebuck & Co., Standard Oil,

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Much testimony has recently come to hand tions. Nearly \$20,000,000 more new bond regarding the increased buying power of the issues were floated in this country in January very small investor, and it is far from the than in the entire four months of August, purpose of this article to discourage the small investor. One recent estimate places the Early in February the market had been proportion of odd-lot dealings to total stock so well cleaned up as far as the higher-grade transactions on the Stock Exchange at 32 bonds were concerned that no one could per cent., and it is well recognized that odd longer question the absorbing power of the lots (those under 100 shares) are mostly of public, however huge the future supply might an investment nature. A broker familiar with prove to be. But history repeats itself, and this class of business recently said that fresumption of activity in bonds and stocks has of five different companies, and he believes progressed regularly from the stronger to the this kind of buying is changing the character There is a time when of the market, tending to diminish its irregu-

Don't Buy Anything Because It's Cheap

But if this power of the public to absorb people become intensely interested in low- small lots of stock in enormous aggregates is priced, non-dividend paying stocks. We to be rightly directed, there should be no lack have now reached that stage, just as we of warning against the weaker, the impropreached it not long after the panic of 1907. erly so-called "cheap" stocks. There is a happy medium in these things. It is not necessary, or perhaps always wise, to buy Where one individual will buy a single stocks which sell for several hundred dollars first-mortgage bond of the Pennsylvania a share. But is it obviously not wiser to buy, Railroad at \$1035, which pays \$45 a year say a share of Atchison preferred at \$98 a interest and is as certain to pay that interest share to yield 5.10 per cent., or of St. Paul for the remainder of its life as anything on preferred at \$127 to yield 5½ per cent., both this earth is certain, there are literally hun- with their long, untarnished record, than dreds of persons who will buy, say forty four shares of Erie common at \$23 with no shares of stock at \$25 a share, which pay no dividend record whatever and no early prospects of one?

It is thought that low-priced stocks may in are not even cheap in the true sense of the because the man who cannot afford to buy

gamble, in which case solicitude ceases.

ers of non-dividend stocks forget is that only \$60,000,000. a few years of 5 per cent. interest or dividends at par, together with compound interest, on conservative, investment securities will toise and hare.

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The Fortunes of "Steel Common"

not have been earned by \$17,000,000.

Chairman Gary said that "business condi- both classes exceeds 131,000. dends, and that slump was nothing like as have suffered by the stoppage of dividends. terrible in the business of the company as the 83/8 and 91 in price. Quarterly earnings hold less than twenty shares apiece, that 8231 and as low as \$10,933,170 in 1914.

few years, or to what depths it may fall. stock for 12,000 German citizens.

one share of Atchison preferred at \$98 and Irrespective of this speculative feature it is pay for it outright, or who cannot afford to clear from the figures just adduced that the buy one \$100 bond, has no business purchas- stock is not suitable for investment purposes, ing securities anyway. He should go to a at least for persons who wish any peace of savings bank, unless his purpose is solely to mind. Probably the stock will rise in the next couple of years, but with stock that Mention of Erie and Southern Railway originally represented only "water" and is implies no criticism of the present excellent still, and always will be, the most vulnerable physical and financial management of both portion of the capital of a company whose companies. They are merely used as illus- net earnings fluctuate up and down 400 per trations, reasons for the low prices of these cent. in a few years' time, prediction must be stocks being well known. The point is that only guesswork. Moreover, at this writing no matter how much these properties improve the stock is artificially held up by a system of in the future it will take an enormous ad-minimum prices, and no human being knows vance in the price of their common stocks, how much it might have fallen when diviand scores of other low-priced shares, to dends were stopped if there had been no make up for the loss in dividends for many artificial minimum price. As it was, the years past. The simple fact that most buy- market price fell twelve points in a week, or

Investors' Interests

Yet no small proportion of the owners are outstrip even the most sensational stock- investors. One test is according to the length market advances. It is the old story of tor- of time common stock has been held by the same persons. It is known that about onequarter of it has been held by the same persons for the last four or five years. Another But it has been mostly in regard to United test is the number of owners of very small States Steel common that bankers, brokers, amounts, only a few of these being speculaand financial editors have been flooded with tors. As far back as 1911 there were 2994 inquiries both before and after the corpora- owners of one share, 2086 of two shares, tion passed its dividend on January 26. In 1287 of three shares, 604 of four shares, 2440 the last three months of 1914 the corporation of five shares, 6989 of from six to ten shares, did not earn by \$5,606,000 even its pre- 6399 of from eleven to twenty-five shares, ferred dividend, drawing upon surplus for 4786 of from twenty-six to fifty shares, and that amount. Indeed earnings in December 3478 from fifty-one to one hundred shares. were so small that for an entire year at that Foreigners hold 1,241,128 shares of the stock. rate interest on the company's bonds would The Dutch Syndicate alone has 356,290 shares. The total number of stockholders of tions are now steadily, although slowly, im- 50,000 employees own stock. Probably the proving, and it is hoped that the resumption actual number of common stockholders apof dividends may not be long deferred." Of proaches 80,000, and if fully half, or even course the steel industry picks up with great three-quarters of these are frankly speculasuddenness. But it took two years after the tors, nevertheless a great number of persons slump of 1904 to restore common stock divi- who would never admit to being speculators

Further evidence of the present wide decline of the last year or two. In the four-distribution of corporate securities and the teen years of its existence this corporation seriousness of reducing dividends was the anhas paid out \$216,006,351 in dividends upon nouncement recently when the Baltimore & its common stock, or an average of 3 per Ohio Railroad cut its common-stock dividend cent. a year. This stock has varied between from 6 to 5 per cent. that 15,000 stockholders have been as high as \$45,503,705 in 1907, women hold an average of thirty-six shares each, that only 200 persons own more than Now it is impossible to predict to what 1000 shares each, and that the Deutsche heights Steel common may rise in the next Bank of Berlin holds \$18,000,000 of the

II.—INVESTMENT INQUIRIES AND ANSWERS

No. 619. SIX, SEVEN, AND EIGHT PER CENT. SECURITIES

I have a few thousand dollars to invest in good securities, and think perhaps you can give me the information I need. Where can I place my money so that it will pay 6 per cent. or more, and yet be a quick asset ready for use in my business it necessary? Are the securities of Southern and Western States paying 7 and 8 per cent. as safe as those of States where the rate is only 6 per cent? Are such securities salable on short notice? Is it possible to get an absolutely safe bond yie ding 8 per cent? How is it possible to tell the honest broker from the faker?

It is difficult, even in this period of unusually high interest rates on investments, to obtain safe, quickly convertible securities to yield a full 6 per cent. For a business man, investing under circumstances such as you suggest, short-term notes, or bonds of early maturity, are probably best. In the last issue of this magazine we mentioned a few representative offerings of notes, such as the Argentine Republic 6's, Brooklyn Rapid Transit 5's, and United States Rubber 6's, yielding respectively 6.10, 5.30, and 5.60 per cent. A little inquiry amon the specialists in this class of investments would yield a wider selection, and possibly discover something that would appeal to you more strongly.

We have frequently pointed out that it is impossible to draw a fair comparison in general terms between securities of a given type originating in one section of the country and yielding, say, 7 per cent., and those of the same type, originating in a different section and yielding a lower rate of income. There are a good many things other than lack of underlying security that may cause this difference in rates, especially in the category of mortgage investment, where the difference is perhaps most frequently met with. buying mortgages you could go as high as 7 per cent. with a high average degree of assurance, but we believe that if you sought to obtain as much as 8 per cent. it would be necessary for you to exercise extremely careful discrimination. Usually the only people who go into that class of mortgages are those fitted by training and

crimination.

We should not care to go as far as to say that no safe bond could be created and sold at a price to yield as much as 8 per cent., but in all our experience we never saw one offered on such attractive terms that was not more of a speculation

experience to exercise personally the necessary dis-

than an investment.

Unfortunately there seems to be no simple rule ods of the responsible ones that the matter is one as the operation of your plan would involve. which usually has to be determined on the basis be obtained.

No. 620. NO READY RECIPE FOR MAKING SPECULATION PROFITABLE

SPECULATION PROFITABLE

I am able to save a thousand dollars or so a year which I want to put away for a rainy day. How would you advise me to invest it? My idea is to take advantage of big waves in the stock market; that is to say, when all stocks are low, as they seem to be at present, invest in not more than two shares each of a number of different stocks, sell out when they go up, and then invest in mortgages, which I would again turn into stocks when the market fell. This whole pland depends on a knowledge of when stocks are low and when high. No one, of course, expects to buy at the lowest and sell at the highest, but it does seem as if it should not require a very great knowledge of the market to buy and sell so as to gain at least ten points. I should very much appreciate any advice you may be able to give me, especially the names of any books on the subject. the subject.

Even if your plan were sound in theory, there are no books that would tell you how to put it into successful operation,-that is, no books that would give you a ready recipe for making that kind of speculation profitable. The "big waves" in stock-market prices of which you speak are those recognized by one of the most satisfactory theories ever evolved on the subject, namely that of Charles W. Dow. They are the prices which in the long run are controlled by intrinsic values. To make yourself a competent judge of such values would require a great deal of study and experience. And, like everyone else who has made the experiment, you would doubtless find yourself hopelessly confused at times in endeavoring to distinguish between market prices based upon such values, and the prices which are the result of the multitude of extraneous influences at work in the market from day to day and from week to week. We think perhaps if you were to read a few books like "The Work of Wall Street," "Pitfalls of Speculation," "Cycles of Speculation," and "Stock Prices: Factors in Their Rise and Fall," you might discover for yourself the dangers involved in the stock-buying side of your plan. But granting your ability to work that out satisfactorily, we think you would find it necessary to choose some form of investment other than mortgages to supplement the stock purchases. Your funds, while not fied up in stocks, would necessarily have to be so employed as to make possible their quick conversion into cash, and quick convertibility is a virtue of mortgage investment that is conspicuous by its absence. There are many mortgage bankers who make it a practise to take care of all legitimate demands of their clients for cash, either by repurchasing their holdings at a small discount to for distinguishing between the honest broker and cover handling charges, or loaning money on the faker. The difficulty here is that the irre-the mortgages as collateral, but we doubt that any sponsible folk have adopted so many of the meth- of them would care to meet regularly such demands

The best advice we are able to give you is of information and experience. It may be said, to discard the idea of trying to make your savhowever, that investors will seldom find cause ings grow through stock-market speculation, and to regret looking with suspicion upon the broker confine your investments to the mortgages, conwhose literature is devoted to telling how ex-tenting yourself with the satisfactory yield of orbitant percentages and extraordinary profits can income that is to be obtained with safety and peace of mind on that type of investment.

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